# **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



So3Wa United Sta

United States
Department of
Agriculture

Soil Conservation Service

Salt Lake City



in Cooperation with Utah State Department of Natural Resources





# TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1,900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

## PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchroage Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mexico)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4418 Federal Bldg., 125 South State St., Salt Lake City, Utah 84147
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

#### PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 -- for British Columbia by the Ministry of the Environment, Water Inventigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 -- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 -- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.

# WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

issued by

PETER C. MYERS

CHIEF
SOIL CONSERVATION SERVICE
WASHINGTION, D.C.

Released by

FRANCIS T. HOLT

STATE CONSERVATIONIST SOIL CONSERVATION SERVICE SALT LAKE CITY, UTAH

in Cooperation with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES

DEE C. HANSEN

State Engineer

Division of Water Rights

Division of Water Resources

Report prepared by Snow Survey Staff

BOB L. WHALEY, Supervisor

Soil Conservation Service 125 So. State, Fed. Bidg. P.O. Box 11350 Sait Lake City, Utah 84147

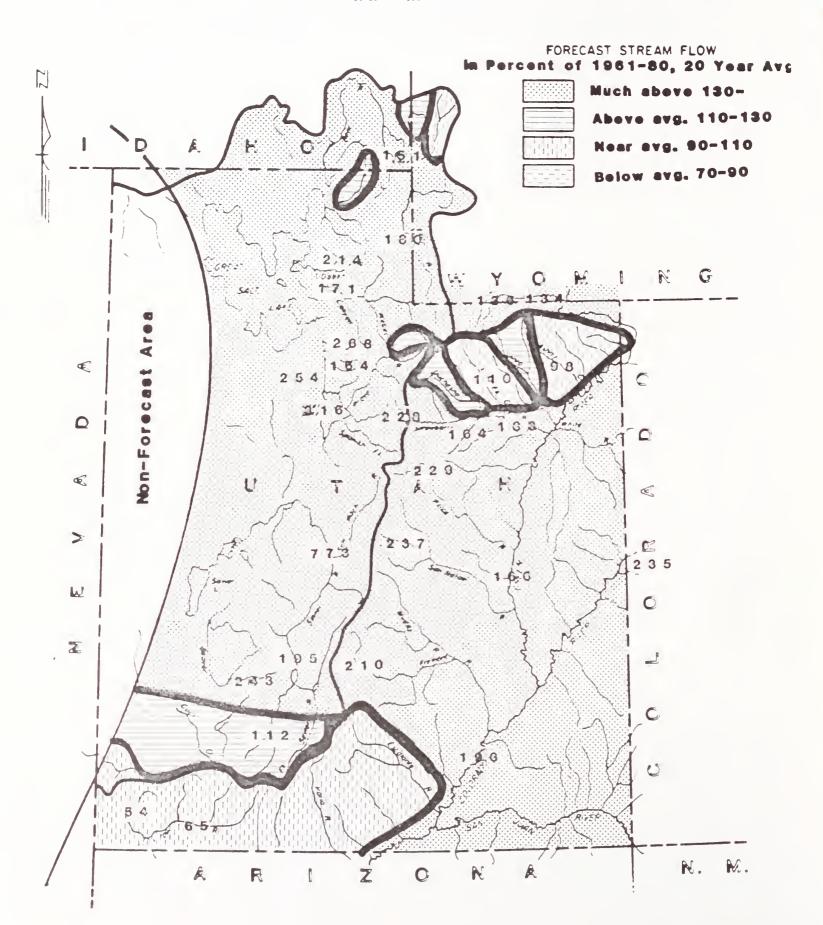
# PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

June 1, 1984

Approximate Date

5 doi: 10.00.15



# As of June 1, 1984

# SNOW COVER

Snow courses measured the last week of May show many areas of Southern Utah and Uintah Basin had no snow on snow courses as high as 9,800 feet in elevation. Those with snow range from 19% of average on Parowan Creek to 255% on the Lower Sevier-San Pitch area.

Those basins with snow were as follows: Bear 149%, Ogden 184%, Weber 194%, Provo 82%, Utah Lake 97%, Black's Fork 121%, Duchesne 50%, San Rafael 184%, Beaver 122%, and Upper Sevier 72% of the June 1 average. Snowmelt began about three to four weeks earlier than last year.

# PRECIPITATION

Precipitation at mountain stations ranged from 7% of the May average in the southwestern corner of the state to about 150% of average at several stations in the central part of the state. Most stations on the Lower Bear and Ogden Rivers were near average to 30% above average. Upper Bear, Weber, Provo and Uintah Basin stations were 50% to 90% of average. Most stations on the San Pitch and San Rafael were average to 150% of average. Beaver River stations were 60% to 70% of the May average while stations south and east of the Beaver received only 7% to 40% of the May average.

# SOIL MOISTURE

Watershed soils are generally wetter than average except on the Virgin, Upper Sevier, and Blue Mountains of Southern Utah.

# RESERVOIR STORAGE

Storage in 24 key irrigation reservoirs is now 122% of the June 1 average and 94% of useable capacity. Many reservoirs are full and spilling and most others, except possibly those in souther Utah, are expected to fill in early June. Utah Lake is 5.2 feet about compromise and Great Salt Lake is 4208.8 feet above sea level.

# STREAMFLOW FORECASTS

Streamflow forecasts for the May-July period now range from 54% of average on Santa Clara to 1070% for the Sigurd to Gunnison reach of the Lower Sevier River. Forecast range by basins is as follows: Bear, 102% for Smith's Fork to 211% for Bear at Randolph; Ogden, 200% for South Fork to 214% for Pineview Inflow; Weber, 129% for Oakley to 268% for Lost Creek; Utah Lake-Jordon River, 147% for Little Cottonwood to 338% for Hobble Creek; Tooele Valley, 147% for South Willow to 306% for Vernon Creek; Duchesne-Green Rivers, 98% for Ashley Creek to 228% for Strawberry Inflow; Price River, 220% for Gooseberry Creek to 229% for Scofield Inflow; San Rafael, 213% for Huntington Creek to 237% for Cottonwood Creek; Dirty Devil, 200% for the Muddy to 210% for Seven Mile Creek; Sevier, 112% Hatch to 1070% Sigurd to Gunnison; Beaver, 233% for North Creeks to 393% for Minersville Inflow; Virgin, 54% for Santa Clara to 65% for Hurricane; Coal Creek is 123% of the May-July average.

Most Streams have had their snow melt peaks and are now receeding except where influenced by rain showers.

All water users are expected to have average to above average water supplies except on the Virgin and smaller streams along the southern border of the state.

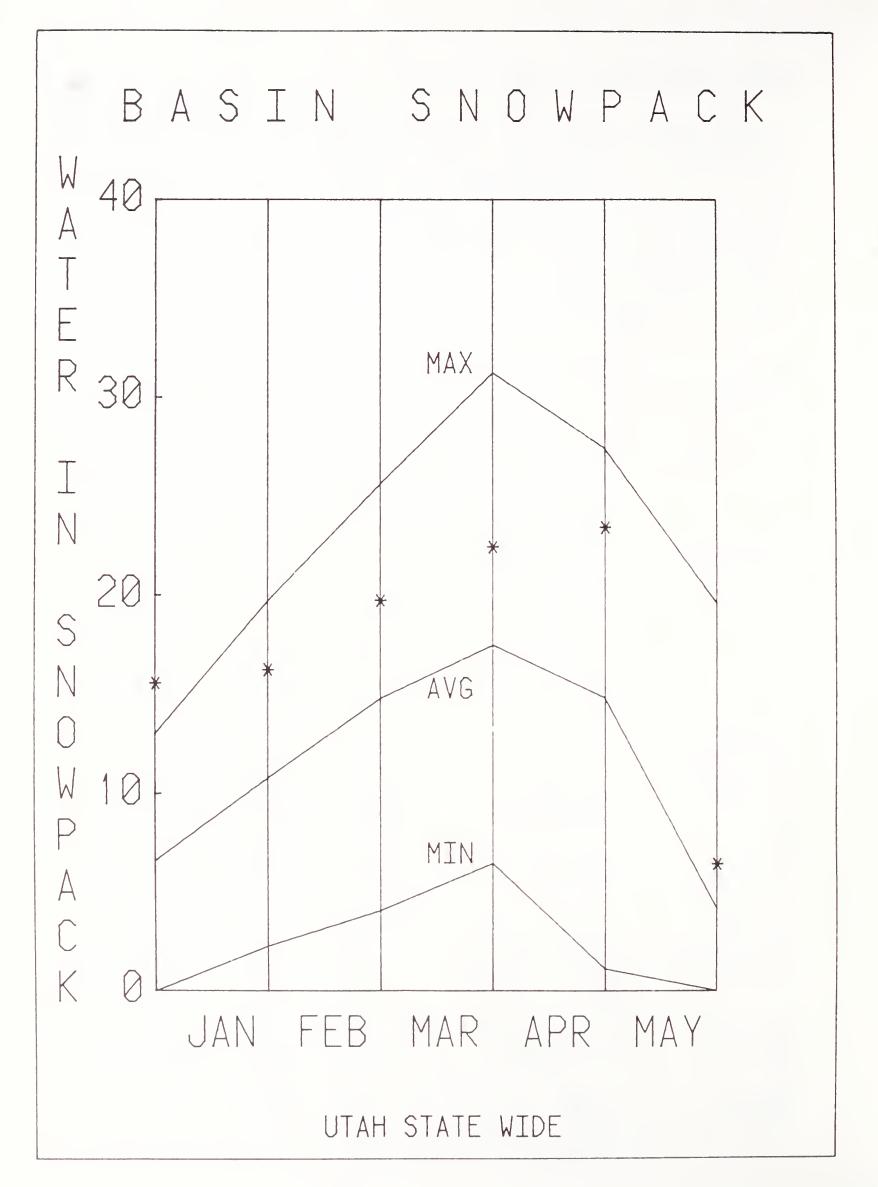
# RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

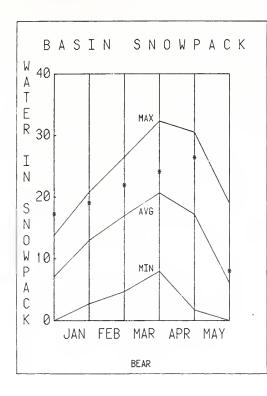
Dec. Com	RESERVOIR	Usable		Usable Storage	
Basin or Stream	KESERVOIR	Capacity	This Year	Last Year	Average †
GREAT BASIN					
Bear River	Bear Lake	1421.0	1275.0	1273.5	1130.7
	Woodruff Narrows	55.8	60.6	60.6	1100.7
	Woodruff Creek	3.5	1 1		
	woodruii Creek	3.5	35	3.6	
Beaver River	Minersville (RkyFd)	26.0	24.0	23.3	13.4
Little Bear	Hyrum	15.3	15.3	11.6	14.7
	Porcupine	11.3	11.9	12.9	10.9b
Ogden	Causey	6.9	7.1	7.1	6.3b
ogden	,		i l		
	Pineview	110.1	108.2	106.4	99.2
Provo	Deer Creek	149.7	148.0	140.6	135.9
Settlement Creek	Settlement Creek	1.2	1.2	1.2	1.0 <sup>b</sup>
STOOT CHICH OF CCK	1		1		
	Vernon Creek	0.6	0.6	0.6	0.5 <sup>b</sup>
Sevier River	Gunnison	18.2	18.2ª	18.2	13.4b
	Otter Creek	52.5	52.7	52.7	40.3
	Piute	71.8	!		
	1		70.7	71.8	39.0
	Sevier Bridge	236.0	248.0	236.1	112.3
	Panguitch Lake	22.3	22.3	23.0a	
Spanish Fork	Strawberry	270.0	295.4	294.9	180.4
Utah Lake	Utah Lake	883.9	1415.8	1269.6	
Mohay	Foot Common	40.1	4.6.6	40.7	a.c. ob
Weber	East Canyon	48.1	46.6	49.7	46.8 <sup>b</sup>
	Echo	73.9	63.8	73.4	65.6
	Lost Creek	20.0	20.2	21.3	19.1 <sup>b</sup>
	Rockport	60.9	53.4	53.2	47.2
	Willard Bay	193.3	152.7	167.5	181.0b
COLORADO R. BASIN	j				
Ashley Creek	Steinaker	33.3	33.3	29.0	26.9 <sup>b</sup>
	Red Fleet	26.0	25.0	23.9	
Colorado	Blue Mesa	829.5	653.0	562.0	
	Lake Powell	25002.0	- 1	24216.0	
Cnoon	1 2		23090.0		
Green	Flaming Gorge	3749.0	3280.0	3416.0	
Lakefork	Moon Lake	35.8	35.8	32.1	18.0
Price River	Scofield	65.8	72.0+	52.4	53.8
	3557.1614	33.0	, , , ,	JL • 4	33.0
San Juan	Navajo	1696.0	1573.0	1444.0	
	Ken's Lake	2.3	2.3	2.2	
San Rafael	Huntington North	3.9	3.9a	3.9a	
	Joe's Valley	54.6	1	_	54.5b
	Mill Site	16.7	56.6 16.7	45.4 17.0 <sup>a</sup>	34.55
		±0 • /	10.7	17.0	
Strawberry	Currant Creek	15.5	5.0a	4.0	
	Starvation	165.3	149.6	165.9	128.9 <sup>b</sup>
	Soldier Creek	951.4	120.0	90.5	
llintah	Dott-lo H-11-	11 0	44.03	44.4	
Uintah	Bottle Hollow	11.3	11.3ª	11.1	

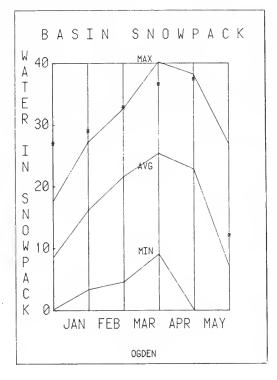
a - Partly estimated

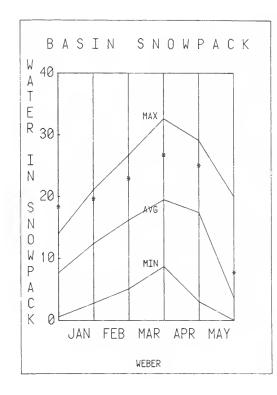
USDA-SCS-PORTLAND, OREG. 1569

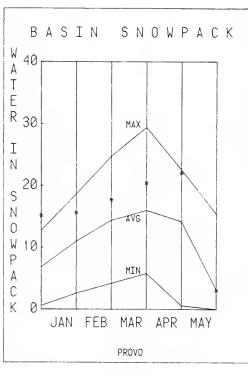
b - Average of past record in average period - less than 20 years+ - 1961-80 20 year average period

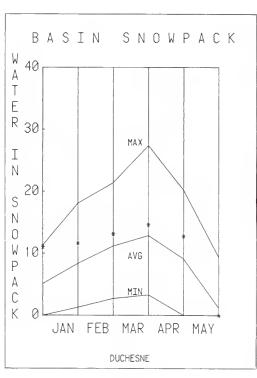


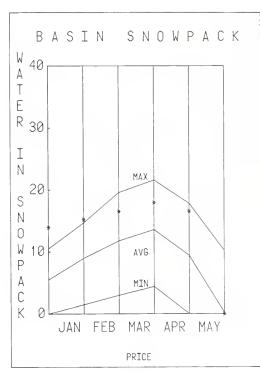


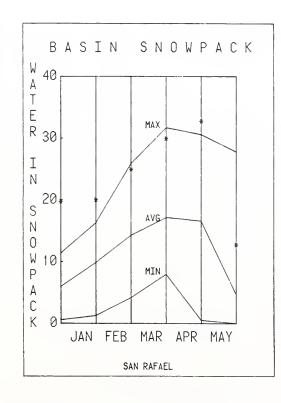


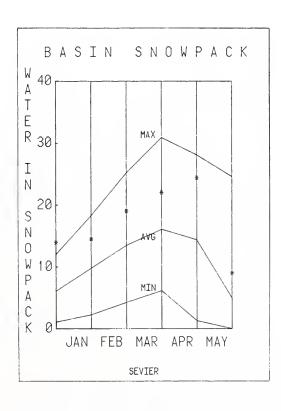


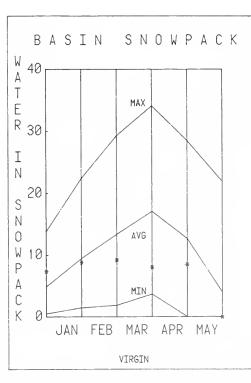


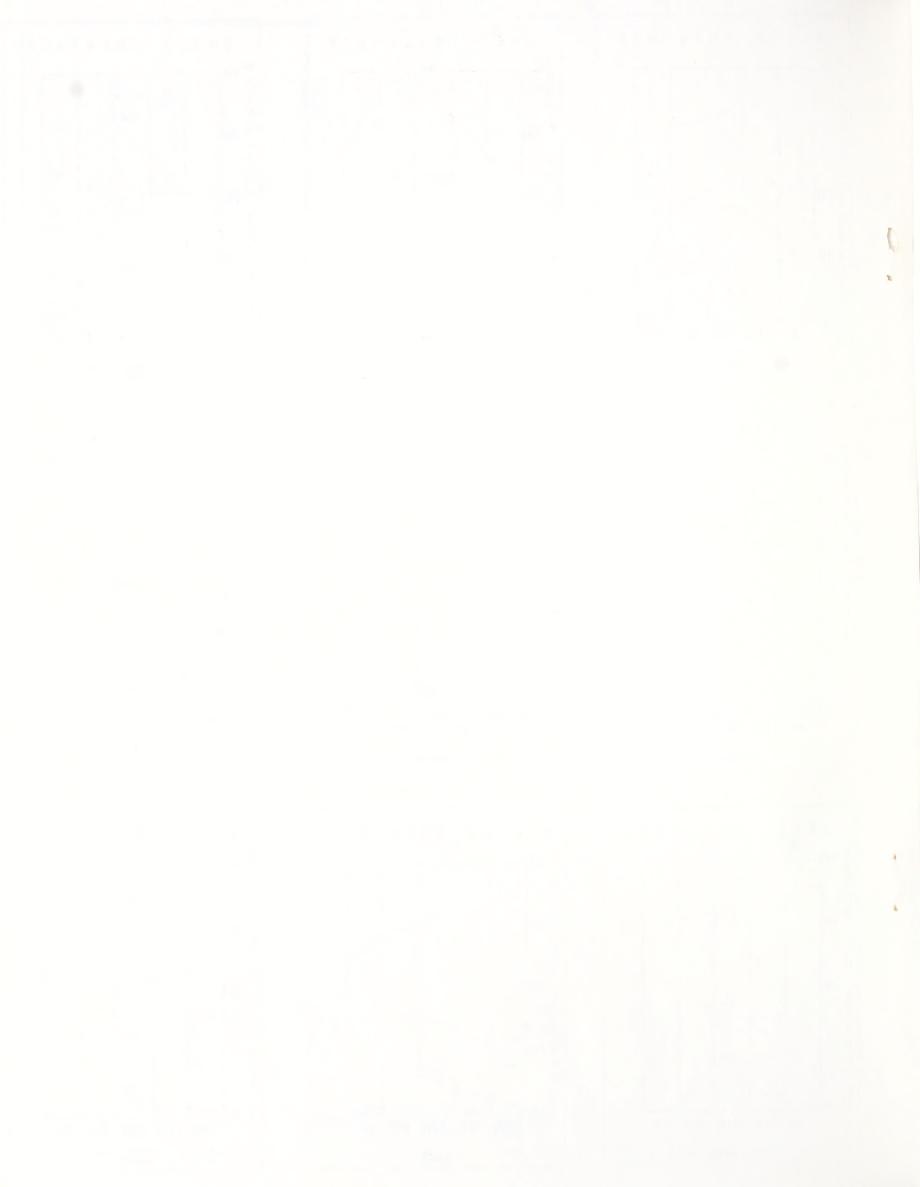






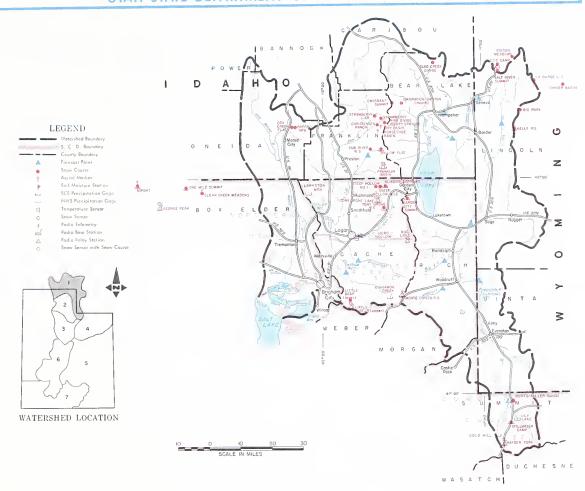






# WATER SUPPLY OUTLOOK BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JUNE 1, 1984

# THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER as of June 1 ranges from 102% on the Upper Bear to 160% on the Lower Bear. Logan River is 153% of average.

PRECIPITATION at mountain stations ranged from 56% of the May average at Stillwater Camp to 155% at Tony Grove R. S. above Logan.

SOIL MOISTURE on higher watersheds is still wetter than average and wetter than last year.

RESERVOIR STORAGE is above average with all but Bear Lake full and spilling.

STREAMFLOW FORECASTS now range from 102% of the April-September average on Smith's Fork to 211% for the May-July average for the Bear at Randolph. The Bear River is forecast 131% at State Line, 180% at Woodruff, and 151% at Harer, Idaho, Woodruff Creek 140%, Big Creek 197%, and Thomas Fork 115% of average. Logan River is forecast 124%, Blacksmith Fork 155%, Little Bear 148% and Cub River 147% of average.

Snowmelt peaks have already passed and streams are expected to receed unless caused to rise by rain showers.

USDA-SCS-PORTLAND, OR 1981 M/-UL-2202/-

REAMFLOW FORECASTS	FORE	THIS YEA		THOUSAND ACRE FEET		SUMMARY OF SHOW MEASUREMENTS (COMPARISON WITH	Number of	THIS YEAR AS A PERCENT OF	
BASIN, STREAM and/or PORECAST POINT	Thousand Acre Feet	Percent of Average	PORECAST PERIOD	Leet Year 3	1	RIVER BASIN and or SUB-MATERSHED	Courses Averaged	Last Year	Average
BEAR RIVER						BEAR RIVER	14	46	149
Bear nr UT-Wyo. State Line	138 209		May-July May-July		105 116	UPPER BEAR RIVER	4	28	102
Bear nr Woodruff 1/ Woodruff Crk nr Woodruff, UT Big Creek nr Randolph, UT	21	140	May-July May-July	28	15.1 <sup>b</sup> 4.4a	LOWER BEAR RIVER	10	51	160
Bear nr Randolph 1/ Thomas Fork nr ID-WY State Ln Smith's Fork nr Border, WY Bear at Harer, Idaho 1/	170 40 121 468	211 115 102 151	May-July Apr-Sept Apr-Sept Apr-Sept	262  688	82 35 119 310	LOGAN RIVER	6	53	153
Logan nr Logan 1/ Blacksmith Fork nr Hyrum Little Bear nr Paradise Cub River nr Preston, ID	125 59 38 63	155 148	May-July May-July May-June May-July	74. 72	101 38 26 43	1 - Observed flow corrected for 2 - Inflow record as computed 3 - Provisional flows - Subject a - Partly estimated b - Average of all past record e - Maximum mean daily peak for the forecast in cooperation with the subject and the subject	by U. Š. t to Corr d - less t low eriod	Bureau of Re ection han 20 years	clamation

		U sale o	USEABLE STORAGE				
BASIN OR STREAM	RESERVOIR	Capacity	This Year	Leat Year	Averege		
BEAR RIVER	Bear Lake Woodruff Narrows Woodruff Creek	1421.0 55.8 3.5	1275.0 60.6 3.5	1273.5 60.6 3.6	1130.7		
ITTLE BEAR	Hyrum Porcupine	15.3 11.3	15.3 11.9	11.6	14.7		

	PEAK FLOW (SECOND FEET)				
PORECAST POINT	Forecast Range	Average †			
Bear nr. UtWyo. Stateline Woodruff Creek nr Woodruff Big Creek nr Randolph Logan River nr Logan Little Bear nr Paradise	1870-2240 300-440 80-120 990-1290 560-890	1506 253 48 <sup>b</sup> 980 519			

WON		THIS YEAR		PAST R	ECOAD	SHOW		THIS YEAR		PAST R	ECDAD
ORAINAGE BASIN and/or SHOW COURSE	Date	Snew Depth	Berer Centent	Werer Centi	ent (inches)	DRAINAGE RASIN me or SHOP COURSE	Dete	Snow Deep	Weser Centers	Weter Cente	nt (inchee)
NAME	01 50000	(Inches)	(Inches)	Lest Year	Armaja †	HAPE	al Surrey	(Inches)	(Inches)	Last Year	Armaja 1
Burts-Miller Ranch Cub River R.S. Emigrant Summit Franklin Basin Garden City Summit Hayden Fork Klondike Narrows	5/28 5/30 5/30 5/29 5/28 5/29	0 0 no 30 9 0	0.0 0.0 t measur 16.3 4.8 0.0	0.0 0.0 ed 33.4 14.7 15.4 13.3	0.0 <sup>b</sup> 10.6 <sup>a</sup> 2.6 4.5 <sup>b</sup> 1.1 <sup>b</sup>	Little Bear Lower Little Bear Upper Monte Cristo Salt River Summit Stillwater Camp Tony Grove R.S.	5/29 5/29 5/29 5/29 5/28 5/29	0 0 28 0 0	0.0 0.0 14.9 ot meas 0.0. 0.0		0.0t 0.0t 9.9 0.2t 0.0t

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE Federal Bldg. - Room 4012 Salt Lake City, Utah 841138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



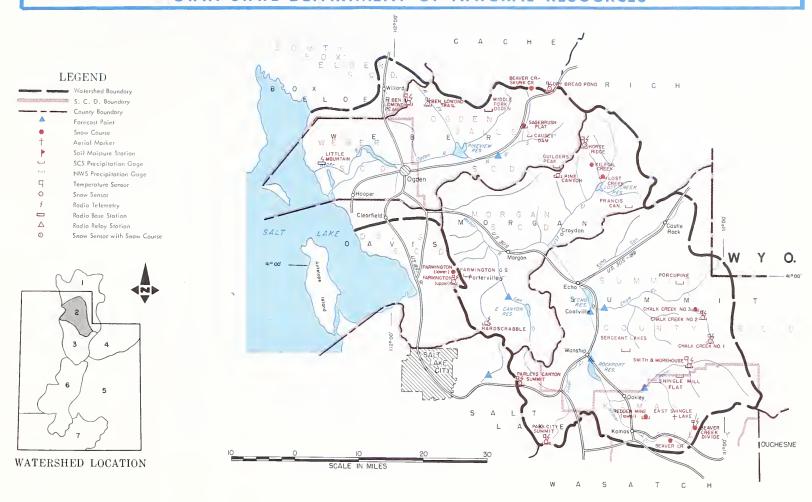
PELTAGE AND FEES PAID
DEPARTMENT OF
AGRICULTURE



FIRST CLASS

# WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



June 1, 1984

# THE WATER SUPPLY OUTLOOK REMAINS ABOVE AVERAGE TO WELL ABOVE AVERAGE

SNOW COVER is now 184% of the June 1 average on the Ogden Basin and 194% on the Weber Basin. Snow remains at only the higher elevations and is less than half as much as last year at this time.

 $\frac{2}{8}$  PRECIPITATION at mountain stations ranged from 65% of the May average at Chalk Creek #3 on the Weber to 141% at Horse Ridge.

SOIL MOISTURE is still above average and wetter than last year at the higher elevations of the watershed.

RESERVOIR STORAGE is now 98% of capacity and 109% of average on the Ogden. The Weber is 84% of capacity and 93% of the June 1 average. All reservoirs will fill in early June.

STREAMFLOW FORECASTS for the May-June period now range from 129% of average for the Weber at Oakley to 268% for Lost Creek. The Ogden is forecast 200% of average for the South Fork and 214% for Pineview Inflow. Weber River forecasts are as follows: 133% Rockport Inflow, 137% at Coalville, 183% for Chalk Creek, 152% for Echo Inflow, 268% for Lost Creek, 245% for East Canyon Creek, 169% for Hardscrabble Creek, and 171% for the Weber at Gateway for the May-June period. Farmington Creek is forecast 178% of the May-July period.

Snow melt peaks have been reached and all streams are receeding unless rain showers cause additional rises in early June.

DA-SCS-FORT WORTH, TEXAS 1983 M7-OL -22

# WEBER-OGDEN WATERSHEDS IN UTAH

TREAMFLOW FORECASTS	FORE	THIS YEAR	PORECAST	THOUSAND A	CRE FEET	SUMMARY OF SHOW MEASUREMENTS (COMPARISON WITH	Number of Courses	THIS YEAR AS	A PERCENT OF
BASIN, STREAM ENd/ or PORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year 3	Average +	RIVER BASIN and or SUB-MATERSHED	Averaged	Last Yes	Average
WEBER-OGDEN RIVERS						OGDEN RIVER	5	48	184
Weber nr Oakley	120	129	May-June	138	93	WEBER RIVER	13	34	194
Rockport Reservoir Inflow 1/	128		May-June	154	96				
Chalk Creek at Coalville	53		May-June	58	29				
Weber nr Coalville 1/	134	137	May-June	167	98				
Lost Creek nr Croydon, UT 1/	30	268	May-June	34	11.2ª				
East Canyon Creek nr Morgan 1/	40	245	May-June	43	16.3				
Hardscrabble Crk nr Portervi∏		169	May-June		14.1ª				
S. Fork Ogden nr Huntsville1/	82		May-June	81	41a	1 - Observed flow corrected for			
Pineview Reservoir Inflow 17	158		May-June	161	74ª	2 - Inflow record as computed by			amation
Echo Reservoir Inflow 2/	182		May-June		120	3 - Provisional flows - Subject	to Corre	¢tion	
Weber at Gateway 1/	383	171	May-June	474.	224	a - Partly estimated			
						b - Average of all past record .		an 20 years	
IORDAN RIVER & SALT LAKE					- m	e - Maximum mean daily peak flow			
Farmington Crk nr Farmington	11.9	178	May-July		6./5	+ - 1961-80 20 year Average Per		]	
						* - Forecast in cooperation with	n Nationa	Weather Se	rvice
									1
SERVOIR STORAGE (Thousand Acro Foot)		1		l	1	PEAK FLOWS <sup>e</sup>	1	1	

#### RESERVOIR STORAGE (Thousand Acro Feet)

		U sabi e	. U	SEABLE STORA	GE
BASIN OR STREAM	RESERVOIR	Capecity	This Year	Lest Year	Avweget
OGDEN	Causey	6.9	7.1	7.1	6.3b
-	Pineview	110.1	108.2	106.4	99.2
WEBER	East Canyon	48.1	46.6	49.7	46.8b
	Echo	73.9	63.8	73.4	65.6
	Lost Creek	20.0	20.2	21.3	19.1b
	Rockport	60.9	53.4	53.2	47.2
	Willard Bay	193.3	152.7	167.5	181.0 <sup>b</sup>
					1

PEAK	Fl	.0W:	s e

	PEAK FLOW (SECOND	FEET)		
FORECAST POINT	Forecast Range	Average		
South Fork Ogden nr Huntsville Chalk Creek nr Coalville Weber nr Oakley	1200-1560 750-1090 1710-2170	763 510 1540		

THIS YEAR		`	PAST R	ECORD	SNOW	THIS YEAR			PAST RECORD		
DRAINAGE BASIN and/ar SNOW COURSE	Onto	Snow Depth	Bater Centent	Water Cente	ent (inches)	DRAINAGE BASIN and or SHOW COURSE	Date	Snow Depth	Water Centent	Weter Cantent (inches)	
NAME	of Survey	(Inche et	(Inches)	Leet Year	Avwege †	HAME	of Survey	(Inches)	(Inches)	Last Year	Armogo
Beaver Creek R.S. Beaver Creek-Skunk Creek Ben Lomond Peak Ben Lomond Trail Chalk Creek #1 Chalk Creek #2 Chalk Creek #3 Dry Bread Pond	5/28 5/29 5/29 5/29 5/28 5/28 5/28 5/29	0 0 52 0 25 0 0 4	0.0 0.0 32 0.0 13.4 0.0 0.0 2.0	0.0 0.0 53.2 0.0 30.1 11.0 0.0 17.0	0.0b 0.0b 16.0a 0.0 12.9a 1.3a 0.0b 2.4b	Horse Ridge Lost Creek Reservoir Monte Cristo Parleys Canyon Summit Sagebrush Flat Smith & Morehouse Trial Lake	5/29 5/29 5/29 5/30 5/29 5/28 5/29	14 0 28 0 0 0 31	7.8 0.0 14.9 0.0 0.0 0.0 17.3	18.1 0.0 32.9 6.7 0.8 3.0 35.5	1.9 0.0 9.9 0.7 0.0 0.4

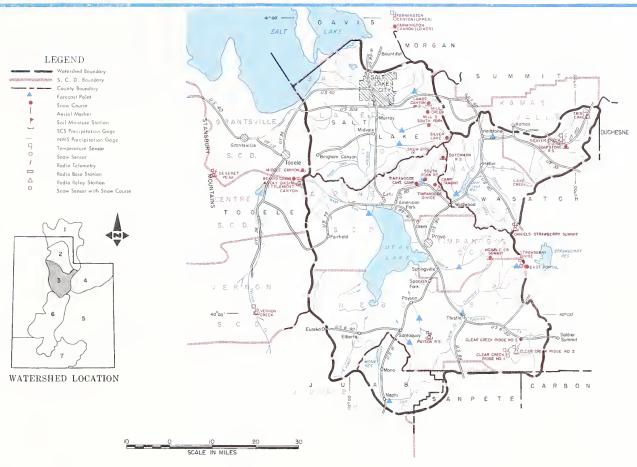
UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE Federal Bldg. - Room 4012 Solt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOF PRIVATE USE, \$300

FIRST - CLASS MAIL POSTAGE AND FEES PAID USDA - SCS SALT LAKE CITY, UTAH PERMIT NO. G -267

# UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JUNE 1, 1984

# THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER ranges from 82% of the June 1st average on Provo River to 118% along the Salt Lake Front. Utah Lake tributaries are 97% of average.

PRECIPITATION at mountain stations ranged from 49% of the May average at Vernon Creek to 138% at Payson Ranger Station.

SOIL MOISTURE at higher elevations is above average and wetter than last year.

RESERVOIR STORAGE is above average. Utah Lake is now 5.2 feet above compromise and Great Salt Lake 4208.80 feet above sea level. Strawberry is still spilling.

STREAMFLOW FORECASTS range from 147% on Little Cottonwood and South Willow to 338% on Hobble Creek for the May-July period. The Provo River is forecast 170% at Hailstone and 191% at Deer Creek Dam. American Fork is forecast 176%, Spanish Fork 290%, Payson Creek 317%, Strawberry Inflow 228% and Utah Lake Inflow 316% of average.

Big Cottonwood Creek is forecast 164%, Mill Creek 255%, Parleys Creek 268%, Emigration Creek 320%, City Creek 216%, Settlement Creek 254%, and Vernon Creek 306% of average. Snowmelt peak flows have occurred on all streams by the time you receive this publication.

JA-SCS-FUH WOHTH, LEXAS 1983 11/1-UL-22UZ.

STREAMFLOW FORECASTS		THIS YEA		THOUSAND A	RECORD	SUMMARY OF SHOW MEASUREMENTS (COMPARISON WITH I	PREVIOUS YEARS!		A PERCENT OF
BASIN, STREAM and/or FORECAST POINT	Thousand Acra Feet	Percent of Average	FORECAST PERIOD	LOST YEAR 3 AVERAGE + RIVER BASIN and or SUB-MATERSHED	RIVER BASIN and or SUB-WATERSHED	Courses Averaged	THIS YEAR AS	A PERCENT OF	
PROVO RIVER AND UTAH LAKE						PROVO RIVER & UTAH LAKE	9	22	97
Provo nr Hailstone 1/	160	170	May-July	151	94				
Provo below Deer Creek Dam1/	185	191	May-July		96	JORDON RIVER & SALT LAKE	5	26	118
American Fork nr American Fk.	50	176	May-July		28				
Hobble Creek nr Springville	45	338	May-July		13.3	TOOELE VALLEY & VERNON CREEK	3	47	82
Strawberry Reservoir Inflow1/	98	228	May-July	141	43				
Spanish Fork at Thistle	90	290	May-July		28				
Payson Creek nr Payson	14	317	May-July		4.4				
Utah Lake Inflow	525	316	May-July	610	166				
IORDON RIVER & SALT LAKE							1		
Little Cottonwood Crk nr SLC	53	147	May-July	61	36		-		
Big Cottonwood nr SLC	54	164	May-July	57	33				
Parley's Creek nr SLC	30	268	May-July	35	11.3	1 - Observed flow corrected for	change in	storage an	d diversion
Mill Creek nr SLC	13.0	255	May-July	12.1	5.0	3 - Provisional flows - subject	to corre	tion	
Emigration Creek nr SLC	8.0	320	May-July	10.4	2.5	a - Partly estimated			
City Creek nr SLC	14.5	216	May-July	19.7	6.6	b - Average of past record - les	s than 20	years	
TOOELE VALLEY						+ - 1961-80 20 year average peri			
Settlement Crk nr Tooele	5.3	254	May-July		2.1 <sup>b</sup>	e - Maximum mean daily peak flow			
S. Willow Crk nr Grantsville	4.0	147	May-July	3.9	2.7 <sup>D</sup>	* - Forecast in cooperation with	Nationa	Weather Se	rvice
Vernon Creek nr Vernon	1.6	306	May-June	3.5	0.5b				1

# RESERVOIR STORAGE (Thousand Acre Feet)

			USEABLE STORAGE				
BASIN OR STREAM	RESERVOIR	Capacity	This Year	Lest Year	AverageT		
SPANISH FORK	Strawberry	270.0	295.4	294.9	180.4		
JTAH LAKE	Utah Lake Settlement Creek Vernon Creek	883.9 1.2 0.6	1415.8 1.2 0.6	1269.6 1.2 0.6	1.0b 0.5b		
PROVO	Deer Creek	149.7	148.0	140.6	135.9		
PROVO	Deer Creek	149.7	148.0	140.6	13		

PEAK	KI O	D WE	6
LEN	LFA	141.9	_

	PEAK FLOW (SEC	OND FEET)
FORECAST POINT	Forecast Range	Average 1
Big Cottonwood nr Salt Lake City	600-700	442
Little Cottonwood nr Salt Lake City	650-750	384
Provo Near Hailstone	2400-2800	2128
Spanish Fork nr Thistle	1400-1600	451b
American Fork nr American Fork	600-700	329
Mill Creek nr Salt Lake City	110-130	59
Parley's Creek nr Salt Lake City	350-400	153
City Creek nr Salt Lake City	125-150	75
Emigration	150-175	

NOW		THIS YEAR		PASTI	RECORD	SNOW	THIS YEAR			PAST RECORD	
ORAINAGE BASIN and/or SNOW COURSE	Date	Snew Depth	Bater Cantent	Water Cent	ant finches!	ORATHAGE BASIN and or SHOP COURSE	Dete	Snow Depth	Waser Cantens	Bater Centent (inches)	
NAME	al Survey	(Inches)	(Inches)	5.451 7 60r	Average †	NAME	al Survey	(Inches)	(Inches)	Last Year	Average †
Bevans Cabin		not mea	sured			   Mill D South Fork	5/30	0	0.0	19.0	2.4a
Clear Creek #1	5/27	11.3	5.4	23.4	2.8a	Parley's Canyon Summit	5/30	0	0.0	6.7	0.7a
Clear Creek #2	5/27	0	0.0	11.4	0.2b	Payson R.S.	5/25	12	5.6	22.4	0.7b
Clear Creek #3	5/27	0	0.0	0.0	0.0a	Rocky Basin-Settlement Canyon		not	measure	d	
Daniels-Strawberry Summit	5/27	0	0.0	11.0	0.2a	Silver Lake Brighton	5/30	19	14.2	41.0	12.0 <sup>b</sup>
Deseret Peak	-, -	not mea	sured			Soapstone R.S.	5/28	0	0.0	0.0	0.2a
Hobble Creek Summit	5/27	0	0.0	6.7	0.0b	South Fork R.S.		not	measure	d	
Lambs Canyon #2	5/31	0	0.0	7.7	0.5b	Timpanogos Divide	6/1	0	0.0	24.1	4.3b
Middle Canyon		not mea	sured			Trial Lake	5/29	31	17.3	35.5	19.7b
Mill Creek	5/30	18	9.4	24.3	5.1ª	Vernon Creek	6/1	0	0.0	0.0	0.0b

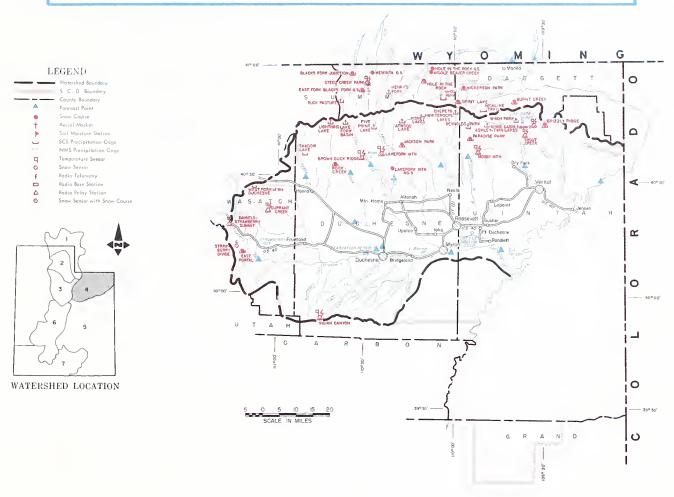
UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE Federal Bldg. - Room 4012 Soli Lake City, Utah 84138

OFFICIAL BUSINESS PENALTY FOR PPILATE USE, \$300

FIRST - CLASS MAIL POSTAGE AND FEES PAID USDA - SCS SALT LAKE CITY, UTAH PERMIT NO. G -267

# UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JUNE 1, 1984

#### THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE TO ABOVE AVERAGE

SNOW COVER ranges from no snow on the courses on Strawberry, Uintah-Whiterocks, Ashley, and Sheep Creeks to 91% of the June 1 average on Black's Fork. Lakefork-Yellowstone is 39%, and Rock Creek is 90% of average.

PRECIPITATION at mountain stations ranged from 43% of the May average at Mosby Mountains to 130% at Daniels-Strawberry Summit. Most sites were never 50% of the May average.

SOIL MOISTURE at higher elevations is above average.

RESERVOIR STORAGE is above average with Moon Lake and Steinaker full and spilling.

STREAMFLOW FORECASTS for the May-July period now range from 98% of average for Ashley Creek to 183% for the Duchesne at Myton. Other Duchesne River forecasts are as follows: 123% for West Fork, 119% at Tabiona, 117% at Duchesne, and 178% at Randlett.

Strawberry River is forecast 164%, Current Creek 181%, Rock Creek 102%, Lakefork Creek 110%, Yellowstone Creek 100%, Unitah River 116%, and Whiterocks River 112% of average.

Henry's Fork is forecast 134% and Black's Fork 136% of average. Flaming Gorge Inflow is forecast 116% of the May-July average.

Most streams have already had their snow melt peaks and will start their normal recession, barring any rain caused peaks, in a week or two.

		FORECAST	THOUSAND A	
Thousand Acre Feer	Percent of Average	PERIOD	Last Year 3	Average *
114	191	May-July	132	96
				175
				48
				88
30	_		49	16.6
74	110			67
61	100	May-July		61
340	183	May-July		186
63	112	May-July	95	56
94	116	May-July		81
411	178	May-July		231
30	123	May-July		24
R				
58	134	May-Sept	152	43
118	136	May-July	144	87
1250	116	May-July	1936	1080
48	98	May-July		49
	114 205 79 95 30 74 61 340 63 94 411 30 R 58 118 1250	114 191 205 117 79 164 95 102 30 181 74 110 61 100 340 183 63 112 94 116 411 178 30 123 R 58 134 118 136 1250 116	The county   The	The stand   Price   Pearso   Pearso   The stand   The stand   Pearso   Pearso   The stand   The stan

\	SHMMARY	af	SMUM	MEASUREMENTS	(COMPARISON WITH PREVIOUS YEARS)

	RIVER BASIN and or SUB-RATERSHED	Number of Courses	THIS YEAR AS	A PERCENT OF
ŧ	HIVER BOW BU SOUND TO SEE	Awaraged	Last Year	Average
5	DUCHESNE RIVER - TOTAL LAKEFORK-YELLOWSTONE CREEKS STRAWBERRY RIVER UINTAH - WHITEROCKS RIVERS ASHLEY CREEK BLACK'S FORK SHEEP CREEK ROCK CREEK	14 6 5 3 3 4 3 3	18 19 0 0 0 26 0 52	50 39 0 0 0 91 0 90
	1 - Observed flow corrected for 2 - Inflow record as computed by 3 - Provisional flows - Subject a - Partly estimated b - Average of all past record e - Maximum mean daily peak flow + - 1961-80 20 year Average Per * - Forecast in cooperation with	U. Š. B to Corre less th	reau of Rec ction an 20 years	amation

# RESERVOIR STORAGE (Thousand Acro Feet)

		Umphi	U S	EABLE STORA	GE
BASIN OF STREAM	RESERVOIR	Capacity	This Year	L 681 Y 661	A-wage†
ASHLEY CREEK	Red Fleet	26.0	25.0	23.9	
	Steinaker	33.3	33.3	29.0	26.9b
GREEN RIVER	Flaming Gorge	3749.0	3280.0	3416.0	
LAKE FORK	Moon Lake	35.8	35.8	32.1	18.0
STRAWBERRY	Currant Creek	15.5	5.0a	4.0	
	Starvation	165.3	149.6	165.9	128.9b
	Soldier Creek	951.4	120.0	90.5	
UINTAH	Bottle Hollow	11.3	11.3ª	11.1	

	PEAK FLOW (SECO	COND FEET)		
FORECAST POINT	Forecast Renge	Average 1		
Strawberry at Duchesne Ashley Creek nr Vernal Rock Creek nr. Mtn. Home	920-1330 820-1080 1380-1690	675 966 1415		

NOW		THIS YEAR		PAST F	ECOAD	SNOW		THIS YEAR		PAST	RECOAD
DRAINAGE BASIN me/or SHOW COURSE	Date	Snow Death	Maio Content	Water Cont	ent (inches)	DRA NAGE BASIN and at SHOR COURSE	Date of Survey	Snow Deep	Water Centers	Tarar Cont	ant (inches)
NAME	of Survey	(Inches)	(Inches)	Last Year	A-+-11 †	ess †		(inches) (inches)		Last Year Average T	
Brown Duck Ridge	5/28	25	10.6	26.9	15.3ª	Lakefork Mountain #1	5/28	0	0.0	17.9	3.6b
Burnt Creek	5/31	0	0.0	0.0	0.3b	Mosby Mountain	5/28	0	0.0	19.0	3.2b
Currant Creek	5/21	0	0.0	0.0	0.00	Paradise Park	5/28	0	0.0	25.4	7.3 <sup>b</sup>
Daniels-Strawberry	5/27	0	0.0	11.0	0.2ª	Rock Creek Ranch	5/28	0	0.0	0.0	0.0a
Grizzly Ridge	5/31	0	0.0	0.0	1.0b	Spirit Lake	5/28	0	0.0	26.5	7.3b
Hewinta G. S.	5/28	0	0.0	11.6	2.0b	Steel Creek Park	5/28	34	14.5	25.9	11.94
Hickerson Park	5/28	0	0.0	14.7	0.1b	Strawberry Divide	5/31	0	0.0a		0.0
Jackson Park	5/28	0	0.0	20.4	8.8a	Trout Creek	5/28	0	0.0	14.2	1.5 <sup>b</sup>
Kings Cabin Upper	5/28	0	0.0	8.4	1.0b						
											ŀ

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE Federal Bldg. - Raom 4012 Salt Lake City, Utah 84138

OFFICIA BUSINES
PENALTY FOR PRI ATE SE \$ 00



P TA E AND FEE FAID

EPART SELLT F

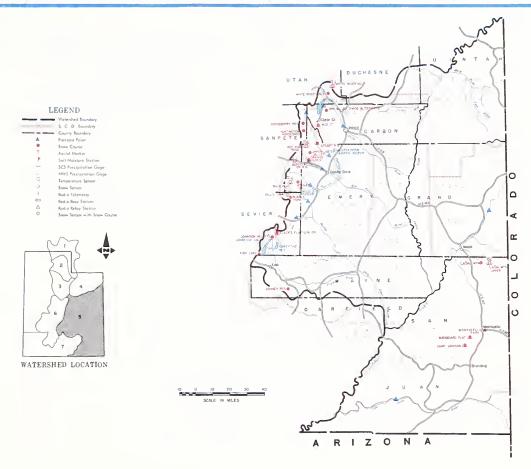
A PLUCT RE



FIRST CLASS

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JUNE 1, 1984

# THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER ranges from no snow on the Price, Muddy, Fremont, LaSal, and Blues to 184% of still have snow. the June 1 average on the San Rafael tributaries. Only elevations above 9,000 feet

PRECIPITATION at mountain stations ranged from 28% of the May average at Camp Jackson on the Blue Mountains to 152% at Red Pine Ridge on the San Rafael.

SOIL MOISTURE is above average except on the Blue Mountains.

ERESERVOIR STORAGE is above average with most reservoirs full and spilling.

 $rac{\pi}{2}$ STREAMFLOW FORECASTS range from 120% for Navajo Inflow to 237% for Cottonwood Creek. Price River forecasts are 229% for Scofield Inflow, 223% for Price at Heiner. Huntington Creek is forecast 213%, Ferron Creek 221% Muddy Creek 200%, Sevenmile Creek 210%, and Mill Creek 155% of the May-July average. Colorado River is forecast 235% at Cisco, Green River 166%, and San Juan 139% of average.

	THIS YEA	1	PAST	RECORD	SUMMARY OF SHOW MEASUREMENTS (COMPARISON WITH F	REVIOUS YEARS)		
		FORECAST			RIVER BASIN and or SUB-WATERSHED	Number of Courses		A PERCENT OF
Acre Feet	Average	PERIOD	Last Year	Average T		Averaged	Last Year	Augrage
					PRICE RIVER	4	0	0
22.0	220	May-July		10.0				
76		May-July	166		SAN RAFAEL RIVER	8	42	184
125	223	May-July		56				
					FREMONT RIVER	3	0	0
			1	l ash				_
					LASAL MOUNTAINS	2	0	0
1 -					DI UE MOUNTAINE	_		
/5	221	May-July	/3	34	BLUE MOUNTAINS	3	U	0
İ		1			MILDDY RIVER	2	0	0
34	200	May_luly	43	16.8	PIODDI KITEK	_		"
] 34	200	lay-outy	13.	10.0				ŀ
					1 - Observed flow corrected for	change i	n storage an	d diversion
6200	235	May-July	6368	2638				
4300				2594	3 - Provisional flows - Subject	to Corre	ction	
7.3				4.7b	a - Partly estimated			
695	120	May-July		540	b - Average of all past record -	less th	an 20 years	
1100	139	May-July	953	793	• •	1		
				b	* - Forecast in cooperation with	Nationa	Weather Se	rvice
12.2	210	'May-July	23	5.8 <sup>D</sup>	PEAK FLOWS			
	22.0 76 125 94 102 75 34 6200 4300 7.3 695 1100	FORECAST   Thousand   Acris Feat   Parental	PERIOD   P	FORECAST   FORECAST   THOUSAND / Thousand   Acri Feer   Parents   PERIOD   Leavives	Thousand   Parents   Period   Lest Yes   Average	PRICE RIVER   PRIOR   PRIOR	FORECAST   PORECAST   PORECAST   THOUSAND ACRE FEET   Last Year   Acres Feet   Preside   Presi	This peace   Thi

		U sobi e	U.	SEABLE STORA	G E
BASIN OR STREAM	RESERVOIR	Capacity	This Year	Less Year	Average†
PRICE RIVER	Scofield	65.8	72.0+	52.4	53.8
SAN RAFAEL	Huntington North Joe's Valley	3.9 54.6	3.9 <sup>a</sup> 56.6	3.9ª	54.5b
SAN JUAN	Mill Site Navajo Kens Lake	16.7 1696.0 2.3	16.7 1573.0 2.3	45.4 1444.0 2.2	

	PEAK FLOW (SECOND FEET)				
FORECAST POINT	Forecast Range	Average			
Ferron Creek near Ferron Muddy Creek near Emery Huntington Cr. near Huntington	860-1020 280-400 1100-1300	444 168 516 <sup>b</sup>			

NOW ,		THIS YEAR		PAST R	ECOMO	SNOW		THIS YEAR		PAST REC	
DRAINAGE BASIN and/at SNOW COURSE	Data	Show Deep	Water Centent	theter Cent	ant (inches)	DRAINAGE BASIN and a SHOW COURSE	Dete	See - Death	Reser Centent	Weler Centr	ent (inches)
NAME	of Survey	(Inches)	(Inches)	Lest Year	Asmes +	HAME	of Survey	(Inches)	(Inches)	Lest Year	Avmoge
Buck Flat Buckboard Flat Camp Jackson Dills Camp Dry Valley Divide Alternate Huntington-Horseshoe Indian Canyon LaSal Mtn. Upper Mammoth-Cottonwood R.S.	5/26 5/30 5/30 5/26 5/27 5/27 5/27 5/27 5/27	17 0 0 0 0 44 0 0 20	9.1 0.0 0.0 0.0 0.0 23.8 0.0 0.0 11.2	27.7 8.4 7.4 13.0 4.1 50.1 17.4 26.1 37.1	4.1b 0.4b 0.0b 0.9a 0.0b 19.6a 1.4b 2.7a 4.8b	Monticello City Park Mud Creek Red Pine Ridge Seeley Creek Stuart R.S. Upper Joe's Valley White River #1 White River #3 Wrigley Creek	5/30 5/27 5/27 5/26 5/27 5/27 5/27 5/27 5/27 5/26	0 0 14 42 0 0 0	0.0 0.0 6.9 22.4 0.0 0.0 0.0 0.0	0.0 8.1 22.7 32.9 0.0 4.7 12.3 0.0 8.7	0.0b 0.0b 1.8b 8.2a 0.0b 0.0b 0.3b 0.0b 0.0b

UNITEO STATES OEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE Federal Bldg. - Room 4012 Soli Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

FIRST - CLASS MAIL

POSTAGE AND FEES PAID

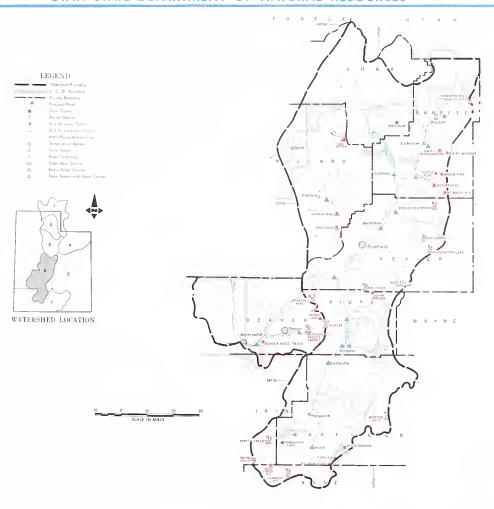
USDA - SCS

SALT LAKE CITY, UTAH

PERMIT NO. G -267

# SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JUNE 1, 1984

## THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE TO WELL ABOVE AVERAGE

SNOW COVER ranges from 60% of the June average on the South Fork to 255% on the Lower Sevier. Beaver River snow cover is 122% of the June 1 average.

PRECIPITATION at mountain stations varied from 9% of the May average at Duck Creek R.S. to 140% at G.B.R.C. Meadows on Ephraim Creek.

SOIL MOISTURE is drier than average on the headwaters of the Sevier but wetter than average on the Beaver and Lower Sevier.

RESERVOIR STORAGE is above average with most reservoirs full and spilling.

STREAMFLOW FORECASTS range from 112% of the May-July average for the Sevier at Hatch to 1070% for the Sigurd to Gunnison reach. Other Sevier River forecasts are as follows: 144% at Circleville, 159% at Kingston, 281% Antimony Creek, 240% for East Fork, 278% for Clear Creek, 267% for Kingston to Vermillion, 805% for Vermillion to Gunnison, 926% for Salina Creek, 773% for Sevier near Gunnison.

Chalk Creek is forecast 616%, Oak Creek 173%, Chicken Creek 250%, Ephraim Creek 780%, Pleasant Creek 755%, and Salt Creek 225% of the May-July average.

Beaver River is forecast 243% near Beaver, 233% for North Creeks, and 393% for Minersville Inflow.

All streams have reached their snowmelt peaks by this time and are expected to receed but many are expected to have higher summer flow than usual because of the high peaks.

STREAMFLOW FORECASTS		THIS YEA	•	PAST	RECORO						
BASIN, STREAM and/or FORECAST POINT	FORE Thousand	CAST	FORECAST	THOUSAND	AVOTAGE +	RIVER BASIN and or SUB-WATERSHED	Number of Courses		A PERCENT OF		
BOIN, STREAM BOOK PORCOST POINT	Acre Feet	Percent of Average	PERIOD	Last Year	Average '		Averaged	Last Year	Average		
SEVIER RIVER						UPPER SEVIER RIVER					
Sevier at Hatch	47	112	May-July	129	42	East Fork Sevier	4	8	131		
Sevier nr Circleville	44	144	May-July		30	South Fork Sevier	6	9	60		
Sevier nr Kingston	35	159	May-July	121	22		1				
Antimony Crk nr Antimony	16.0	281	May-July		5.7	LOWER SEVIER	11	49	255		
East Fork Sevier nr Kingstonl/	30		May-July		12.5						
Sevier below Piute Dam	65		May-July		33	BEAVER RIVER	4	33	122		
Clear Crk nr Sevier (abv Div)	45	278	May-July		16.2		i				
Sigurd to Gunnison	230		May-July	297	16.6						
Kingston to Vermillion Dam	75	267	Apr-June		28						
Vermillion Dam to Gunnison	285	805	Mar-June		19.0						
Salina Creek at Salina			May-June		10.8	1 - Observed flow corrected for	change in	n storage an	d diversion		
Sevier nr Gunnison	320	773	May-July	'	41	2 - Inflow record as computed by	U. S. B	ireau of Rec	amation		
Chalk Creek nr Fillmore	81	616	May-July		13.2 <sup>b</sup>	3 - Provisional flows - Subject	to Corre	tion			
Chicken Creek nr Levan	7.0	250	May-July	21	2.8b	a - Partly estimated		1			
Oak Cr. nr Oak City	1.9	173	May-July	3.5	1.1 <sup>b</sup>	b - Average of all past record -	less th	an 20 years			
Ephraim Creek nr Ephraim	65	780	May-July		8.3	e - Maximum mean daily peak flow					
Pleasant Crk nr Mt. Pleasant	37	755	May-July		4.9	+ - 1961-80 20 year Average Peri	od				
Salt Creek nr. Nephi	24	225	May-July		10.8	* - Forecast in cooperation with	Nationa	Neather Se	rvice		
Beaver nr Beaver	51	243	May-July	70	21						
North Creek (Combined)	34		May-July		12.7ª						
Minersville Inflow	1 30		May-June		7.7			1			
SERVOIR STORAGE (Thousand Acro Feet)			-			PEAK FLOWS					

ESEKANIK SINKAPE (IN	DESERB AGIO TOOL					PEAR FLUWS		
		U nebi e	Ų	SEABLE STORA	GE		PEAK FLOW (SEC	ONO FEET)
BASIN OB STREAM	RESERVOIR	Capacity	This Year Last Year Average T		Average†	FORECAST POINT	Forecast Range	Average +
SEVIER RIVER	Gunnison Otter Creek Piute Sevier Bridge Panguitch Lake	18.2 52.5 71.8 236.0 22.3	18.2 <sup>a</sup> 52.7 70.7 248.0 22.3 <sup>a</sup>	18.2 52.7 71.8 236.1 23.0a	13.4 <sup>b</sup> 40.3 39.0 112.3	Beaver River nr Beaver Sevier River at Hatch Sevier River nr Kingston Clear Creek nr Sevier Salina Creek nr Salina	530-800 450-650 400-600 350-450 800-1000	257 484 312 226 285
BEAVER RIVER	Minersville (Rky Fd)	26.0	24.0	23.3	13.4			

WON		THIS YEAR		PAST	RECORD	SNOW		THIS YEAR		PAST RECORD	
DRAINAGE BASIN and/or SHOW COURSE	Oste	Snow Dear	Water Centent	Weter Cant	ant (inches)	DRAINAGE BASIN me'er SHOW COURSE	Oate	Sees Design	Merer Centent	Water Cen	umt (inches)
NAME	of Survey	(Inche s)	(Inches)	Last Year	Average †	NAME	of Survey	(Inches)	(Inches)	Lest Year	Average 1
Big Flat	5/25	40	19.5	35.7	14.1b	Long Valley Junction	5/26	0	0.0	0.0	0.0b
Bryce Canyon	5/31	0	0.0a		] ,	Merchants Valley Upper	5/25	0	0.0	17.5	0.5ª
Castle Valley	5/25	0	0.0	13.5	0.00	Midway Valley	5/25	0	0.0	44.9	12.1 <sup>D</sup>
Duck Creek	5/26	0	0.0	11.3	0.5a	Oak Creek	5/25	0	0.0	16.1	0.0a
Farnsworth Lake	5/26	54	26.3	33.8	14.0a	Otter Lake	5/25	14	6.2	24.8	6.4a
Gooseberry R.S.	5/26	0	0.0	10.8	0.86	Pickle Keg Springs	5/26	23	13.2	25.1	1.6a
Harris Flat	5/26	0	0.0	11.3	0.5a	Pine Creek	5/25	32	16.3	33.9	1.9a
Kimberly Mine	5/25	18	9.5	27.4	3.2b	Widtsoe-Escalante #3	5/26	0	0.0	11.5	0.9a

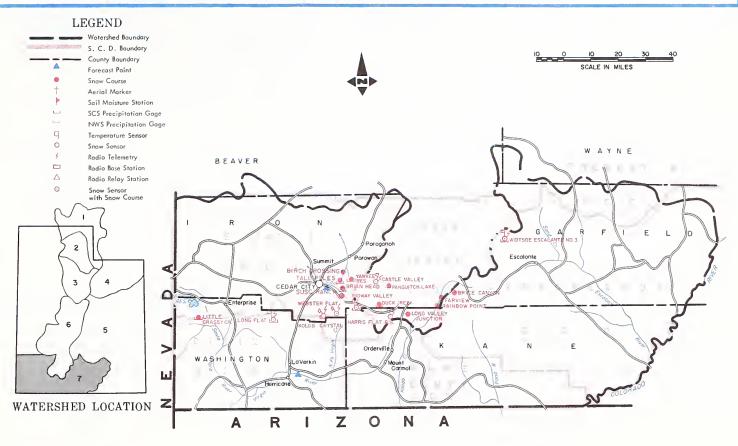
UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE Enderal Bldg. - Room 4012 Folt Lake City, Utan 41





# EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JUNE 1, 1984

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE ON VIRGIN RIVER AND NEAR AVERAGE ON COAL CREEK

SNOW COVER was present at only Brian Head snow course when measurements were taken May 25th and it had only 22% of its June 1 average and 7% of last year at this time.

PRECIPITATION at mountain stations varied from 7% of the May average at Little Grassy to 85% at Webster Flat.

SOIL MOISTURE is below average.

RESERVOIR STORAGE in Lake Powell is less than last year with 1,912,000 acre feet yet to fill. Smaller reservoirs are reported as not full and below average for June 1.

STREAMFLOW FORECASTS range from 54% of average for Santa Clara Creek to 196% for Lake Powell Inflow. Virgin River is forecast 65% of average at Hurricane and Coal Creek 123% of the May-July average.

Water users in this area without reservoir storage are expected to have short water supplies by mid-season this year.

# EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

ſ	THIS YEA	PAST RECORD SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)						
-		FORECAST	7	,	RIVER BASIN and or SUB-MATERSHED	Number of Courses		
Thousand Acre Feet	Average	PERIOD	Last Year 3	Average T		Awtraged	Loss Year	Average
					COAL CREEK	2	0	0
			171	38 4.1	VIRGIN RIVER	3	0	0
""	34	lay ounc		''-	PAROWAN CREEK	2	6	19
19.0	123	  Mav-Julv	54	15.4	ENTERPRISE - NEW HARMONY	2	0	0
					ESCALANTE RIVER	1	0	0
12700	196	May-July	13400	5475	2 - Inflow record as computed by 3 - Provisional flows - Subject a - Partly estimated b - Average of all past record - e - Maximum mean daily peak flow + - 1961-80 20 year Average Peri	U. S. B to Corre less th	ureau of Rec ction an 20 years	lamation
	20.0 2.2	20.0 65 2.2 54	20.0 65 May-June  19.0 123 May-July	Thousand   Priorital   PRIOR   Cast Year 3	Theorems of Persons of Persons   Persons   Casi vasar 3   Average +	Thousand Premier Period Learyear 3 Average †  20.0 65 May-June 171 38 VIRGIN RIVER  2.2 54 May-June 4.1  19.0 123 May-July 54 15.4  12700 196 May-July 13400 5475  1 - Observed flow corrected for 2 - Inflow record as computed by 3 - Provisional flows - Subject a - Partly estimated b - Average of all past record - e - Maximum mean daily peak flow + 1961-80 20 year Average Peri	Thousand Promise Period Last Year 3 Average †  20.0 65 May-June 171 38 2.2 54 May-June 4.1  19.0 123 May-July 54 15.4  12700 196 May-July 13400 5475  1 - Observed flow corrected for change i 2 - Inflow record as computed by U. S. B 3 - Provisional flows - Subject a - Partly estimated b - Average of all past record - less the e- Maximum mean daily peak flow + 1961-80 20 year Average Period	Thousand Person   Per

RESERVOIR STORAGE (Thousand Acre Feet)

			ρ
PEAK	F1 0	7 10	-
FFMI	1 64	, , ,	

	KAOIK 210KMOE (INDESSEE MOIS 1881)				GE		PEAK FLOW (SECOND FEET)		
BASIN OR STREAM	STREAM RESERVOIR Under Capacity This Year Less Year A		Armagot	FORECAST POINT	Forecast Range	Armaga +			
COLORADO	Lake Powell Blue Mesa	25002.0 829.5	23090.0 653.0	24216.0 562.0		Coal Creek nr Cedar City Virgin nr Hurricane	300-400 650-1000	220 1092	

NOW		THIS YEAR		PAST R	ECOAD	SNOW		THIS YEAR		PAST R	ECORD
DRAINAGE BASIN and/or SNOW COURSE	Date	Inem Desir	Balar Cantoni	Water Canti	ent (inches)	DRA HAGE BASIN and or SNOW COURSE	Dete	Snow Death	Racer Content	Weter Canti	ent (inches)
NAME	of Survey	(Inches)	(Inches)	Less Year Armage T		HAME	of Survey	(Inches)	(Inches)	Lest Year	Averege
Birch Crossing Brian Head Harris Flat Kolob-Crystal Little Grassy Long Flat	5/31 5/25 5/26 5/25 5/25 5/25	0 6 0 0 0 0 0	0.0 2.4 0.0 0.0 0.0	0.0 32.3 0.0 34.5 0.0 0.0	0.0b 10.6b 0.0b 9.0a 0.0b 0.0b	Long Valley Junction SUSC Ranch Tall Poles Webster Flat Yankee Reservoir	5/26 5/31 5/31 5/25 5/25	0 0 0 0 0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 16.3 32.1 7.1	0.0b 0.0b 1.5b 2.9b 0.0b

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bidg. - Room 4012
Salt Lake City, Under 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

FIRST - CLASS MAIL

POSTAGE AND FEES PAID

USDA - SCS

SALT LAKE CITY, UTAH

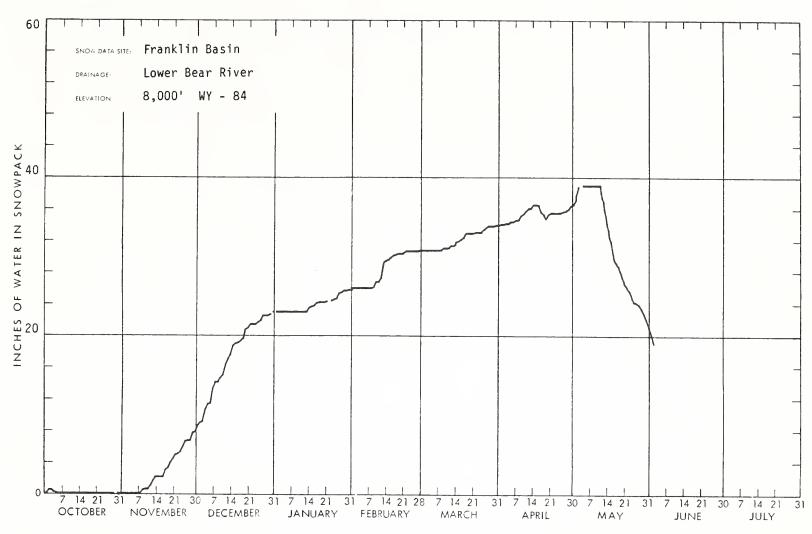
PERMIT NO. G -267

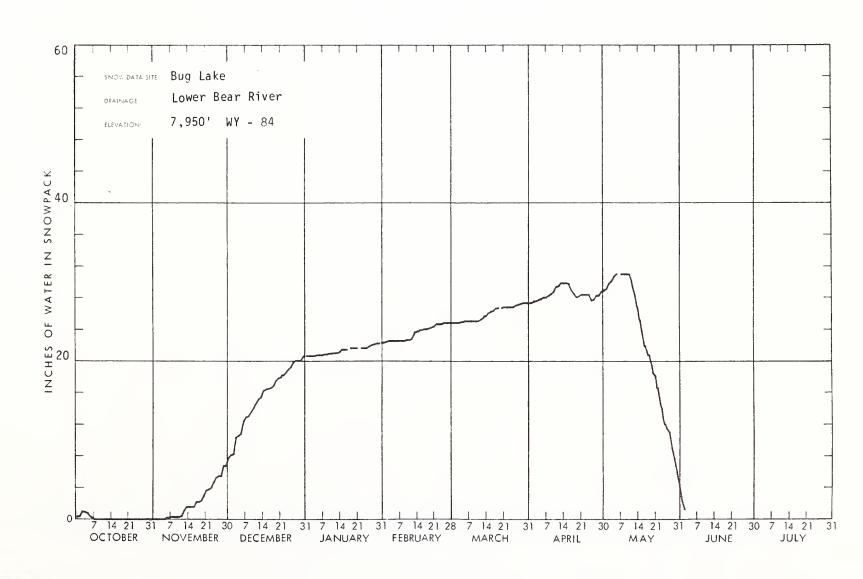
WONS		THIS YEAR		PAST R	ECORD	PRECIPI"		(Inches)			
DRAINAGE BASIN and/or SNOW COURSE	Oate of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Cente	Average †	Date of Reading	Month's Precipitation	TION +	FROM AF	PROX OCT I	Percent of Average
GREAT BASIN				2011 102		Reseing	Precipitation				
UPPER BEAR RIVER (Above Harer, Idaho)											
Burts-Miller Ranch	5/28	0	0.0	0.0	0.0b	5/28	1.39	2.32 <sup>b</sup>	14.66	13.99 <sup>b</sup>	105
CCC Camp Hayden Fork Monte Cristo R.S. Salt River Summit	not mea 5/28 5/29 not mea	0 28	0.0	15.4 32.9	4.5 <sup>b</sup> 9.9	5/28 5/29	2.80 <sup>a</sup> 3.91	3.02 <sup>b</sup> 2.83	28.99 <sup>a</sup> 37.06	27.16 34.00	107 109
Stillwater Camp Lily Lake	5/28 5/28	0	0.0	4.8 13.4	0.2 <sup>b</sup>	5/28 5/28	1.25 2.14	2.22	19.79 24.77	17.32	114
LOWER BEAR RIVER (Below Harer, Idaho)								:			
Bug Lake Cub River R.S. Emigrant Summit	5/29 5/30	8 0	4.8 0.0	16.1 0.0	0.2ª	5/29	1.39		26.54ª		
Franklin Basin Garden City Summit Klondike Narrows Little Bear (lower)	5/30 5/29 5/29 5/29	30 9 0	16.3 4.8 0.0 0.0	33.4 14.7 13.3 0.0	10.6 <sup>a</sup> 2.6 1.1 <sup>b</sup> 0.0 <sup>b</sup>	5/30 5/29 5/29	6.00 2.39 2.71	2.14 2.75	47.31 <sup>a</sup> 28.70 30.26	 24.47 29.20 <sup>b</sup>	117 104 <sup>a</sup>
Little Bear (upper) Slug Creek Divide	5/29	0	0.0	0.0	0.0b	5/30	2.92		35.09		
Steep Hollow #1 Steep Hollow #2 Tony Grove Lake Tony Grove R.S. Willow Flat	5/30 5/30 5/29 5/29 5/30	60 18 53 0	34.8 9.9 29.9 0.0 0.0	48.4 27.7 40.8 0.0 0.0	24.9b 7.0b 16.3a 0.0b	5/29 5/29 5/30	6.19 2.43 3.17	1.56 <sup>b</sup> 2.85 <sup>b</sup>	52.81 <sup>a</sup> 29.75 37.53	29.97 <sup>b</sup> 30.36	99 124
DGDEN RIVER											
Beaver Creek-Skunk Creek Ben Lomond Peak Ben Lomond Trail Causey Dam Dry Bread Pond Sagebrush Flat	5/29 5/29 5/29 5/29 5/29 5/29 5/29	0 52 0 0 4	0.0 32.0 0.0 0.0 2.0 0.0	0.0 53.2 0.0 0.0 17.0	0.0 <sup>b</sup> 16.0 <sup>a</sup> 0.0 2.4 <sup>b</sup> 0.0 <sup>b</sup>	5/30 5/30 5/29 5/29 5/29 5/29	3.63 <sup>a</sup> 3.24 2.06 3.31 2.12	1.86 <sup>b</sup>	74.49 <sup>a</sup> 45.83 <sup>a</sup> 20.49 34.31 <sup>a</sup> 18.31	18.50	123 111 123 <sup>a</sup> 99
WEBER RIVER											
East Shingle Lake (A) Beaver Creek R. S. Chalk Creek #1 Chalk Creek #2 Chalk Creek #3 Farmington Canyon (lower) Farmington G.S. Horse Ridge Kilfoil Creek Lost Creek Reservoir Park City Summit Parley's Canyon Summit Pine Canyon Redden Mine (lower) Sargeant Lakes Smith & Morehouse Hardscrabble	5/31 5/28 5/28 5/28 5/28 5/29 5/29 5/29 5/29 not mea 5/30 5/30 5/30 5/28 5/31 5/28	30 0 25 0 26 47 0 14 0 0 sured 0	16.8 0.0 13.4 0.0 0.0 14.5 26.7 0.0 7.8 0.0 0.0 0.0 0.0 0.0	37.5 0.0 30.1 11.0 0.0 33.0 51.8 34.7 <sup>a</sup> 18.1 1.6 0.0 32.2 <sup>a</sup> 6.7 12.6 18.2 6.0 3.0	0.0b 12.9a 1.3a 0.0b 0.0b 12.0b  1.9b 0.1b 0.0b  0.7a 0.0 3.0a  0.4a	5/28 5/28 5/28 5/28 5/28 5/28 5/28 5/28	2.94 <sup>a</sup> 2.19 <sup>a</sup> 1.42 5.30 5.38 <sup>a</sup> 4.80 3.70 2.41 2.37 1.63 1.80	2.17 <sup>D</sup> 4.32 6.24 <sup>a</sup> 5.20 <sup>b</sup>	35.65 <sup>a</sup> 23.82 <sup>a</sup> 23.32 45.98 50.25 <sup>a</sup> 42.04 <sup>a</sup> 37.98 17.41 36.01 24.77 25.77	17.76 <sup>D</sup> 38.24 46.13 <sup>a</sup>	121 131 120 108 109 122  119 
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide Clear Creek Ridge #1 Clear Creek Ridge #2 Clear Creek Ridge #3 Hobble Creek Summit Payson R.S. Soapstone R.S. South Fork R.S.	5/28 5/27 5/27 5/23 5/27 5/25 5/28	0 11.3 0 0 0 12	0.0 5.4 0.0 0.0 0.0 5.6 0.0	0.6 23.4 11.4 0.0 6.7 22.4 0.0	1.1 <sup>a</sup> 2.8 <sup>a</sup> 0.2 <sup>b</sup> 0.0 <sup>a</sup> 0.0 <sup>b</sup> 0.7 <sup>b</sup> 0.2 <sup>a</sup>	5/28 5/27 5/27 5/27 5/25 5/28	3.44 2.00 <sup>a</sup> 1.43 1.41 2.74 1.44	2.01 2.15 1.98 20.5	28.00 <sup>a</sup> 31.00 <sup>a</sup> 25.51 <sup>a</sup> 27.84 <sup>a</sup> 32.99 25.39		119 124 140 116
Timpanogos Divide Trial Lake	not mea 6/1 5/29	0 31	0.0 17.3	24.1 35.5	4.3 <sup>b</sup> 19.7 <sup>b</sup>	6/1 5/29	2.00 <sup>a</sup> 2.35	2.78 2.72	33.04 <sup>a</sup> 34.63	32.17 31.45	103 110

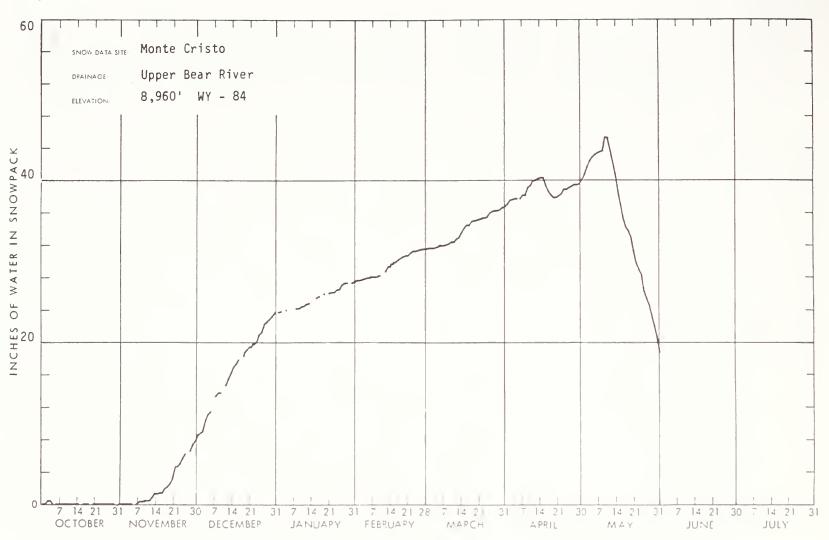
SNOW		THIS YEAR		PAST	RECORD	PRECIPI		(Inches			
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snew Depth (Inches)	Water Content (Inches)	Water Cent	ant (inches)	Date of Reading	Menth's Precipitation	ATION +	FROM A	Average +	Percent of Average
JORDAN RIVER & GREAT SALT LAKE	<u> </u>	<u> </u>		1			Precipitation			1	- Average
Alta Central Lamb's Canyon #2 Middle Canyon Mill Creek Mill D South Fork Rocky Basin-Settlement Silver Lake (Brighton) Snow Bird (Gad Valley) Vernon Creek Deseret Peak	6/2 5/31 not mea 5/30 5/30 not mea 5/30 6/1 6/1 not mea	18 0 sured 19 55 0	33.7 0.0 9.4 0.0 14.2 34.8 0.0	7.7 24.3 19.0 41.0	0.5b 5.1a 2.4a 12.0b  0.0b	5/31	not mea	sured	24.80ª	19.90	125
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Ashley Twin Lakes A Black's Fork G.SEast Fork Black's Fork Junction Buck Pasture A Burnt Creek Grizzly Ridge Henry's Fork A Hewinta G.S. Hickerson Park King's Cabin (upper) Reynolds Park A Spirit Lake Steel Creek Park Trout Creek	5/31 5/28 5/28 5/31 5/31 5/31 5/31 5/28 5/28 5/28 5/28 5/28 5/28 5/28 5/28	0 0 0 6 0 0 0 0 0 0 0	0.0 0.0 0.0 2.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	27.0 11.2 6.3 15.0 0.0 0.0 16.5 11.6 14.7 8.4 31.5 26.5 25.9 14.2	1.3b 0.6b  0.3b 1.0b  2.0b 0.1b 1.0b  7.3b 11.9a 1.5b	5/28 5/28 5/31 5/31 5/28 5/28 5/28 5/28 5/28 5/28	2.21 1.92 1.25 1.65 2.11 1.39 1.41 2.55 2.46 1.38	2.90b  2.57b 3.01 3.68b	21.40 <sup>a</sup> 19.24 18.20 22.60 22.60 29.88 24.40 23.50 17.47	19.50  15.54 17.59 22.38 <sup>b</sup>	 116  107 113 109
DUCHESNE RIVER											
Atwood Lake A Brown Duck Ridge Chepeta Chepeta-Whiterocks A Currant Creek Daniels-Strawberry Summit East Portal Indian Canyon Jackson Park Lake Fork Basin A Lakefork Mountain #1 Lakefork Mountain #3 Lightning Lake A Mosby Mountain Paradise Park Rock Creek Ranch Strawberry Divide	5/31 5/28 5/28 5/31 5/21 5/27 5/31 5/27 5/28 5/31 5/28 5/28 5/31 5/28 5/28 5/28 5/28 5/31	0 25 0 3 0 0 0 0 0 0 21 0 0 54 0 0	0.0 10.6 0.0 1.5 0.0 0.0 0.0 0.0 8.8 0.0 0.0 22.7 0.0 0.0	19.5 26.9 24.2 0.0 11.0 0.0 17.4 20.4 26.5 17.9 0.0 36.0 19.0 25.4 0.0	15.3a  0.0b 0.2a 0.0b 1.4b 8.8a 15.4a 3.6b 0.0b 21.7a 3.2b 7.3b 0.0a 0.0b	5/28 5/28 5/27 5/27 6/1 5/27 5/28 5/28 5/28 5/28 5/28 5/28 5/28 5/31	1.26 2.44 <sup>a</sup> 1.43 2.65 1.46 1.19 1.14 1.52 3.50 <sup>a</sup> 1.12 1.40 1.09 1.70 <sup>a</sup>	1.58b 1.90b 1.71b  2.60  2.62b 2.50 1.83	27.16 <sup>a</sup> 21.27 <sup>a</sup> 19.20 25.98 27.39 18.20 23.66 18.74 38.60 <sup>a</sup> 19.01 19.06 17.25 30.60 <sup>a</sup>	17.78 22.99 17.37 <sup>b</sup>  18.30  17.80 20.56 15.35	108 113 105  102  107 93 112
PRICE RIVER											
Dry Valley Divide Alternate Five Points Lake A Mud Creek White River #1 White River #3	5/27 5/31 5/27 5/27 5/27	0 6 0 0	0.0 2.5 0.0 0.0	4.1 22.5 8.1 12.3 0.0	0.0 <sup>b</sup> 11.8 <sup>a</sup> 0.0 <sup>b</sup> 0.3 <sup>b</sup> 0.0 <sup>b</sup>	5/27 5/27	2.37	1.95 1.71 <sup>b</sup>	27.08 23.52	19.16 17.77	141 132
SAN RAFAEL RIVER											
Buck Flat Huntington-Horseshoe Orange Olsen Red Pine Ridge Seeley Creek R.S. Stuart R.S. Upper Joe's Valley Wrigley Creek	5/26 5/27 5/27 5/27 5/26 5/27 5/26	17 44 0 14 42 0 0	9.1 23.8 0.0 6.9 22.4 0.0 0.0	27.7 50.1 0.0 22.7 32.9 0.0 4.7 8.7	4.1b 19.6a 0.0b 1.8b 8.2a 0.0b 0.0b 0.0b	5/26 5/27 5/27 5/27	2.53 0.97 3.38 2.37	2.52 0.97 <sup>b</sup> 2.22 1.65	14.80 30.16 <sup>a</sup>	9.50 25.61 15.42	146 156 117 144
MUDDY RIVER								ì			
Black's Fork Dill's Camp	5/26 5/26	0	0.0	16.3 13.0	1.3ª 0.9ª	5/26	2.05		27.49		

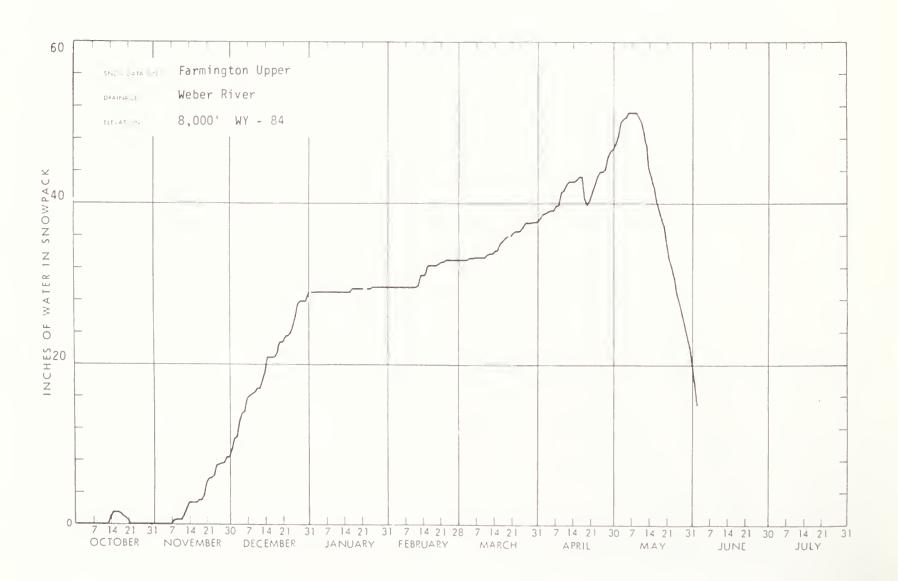
SNOW		THIS YEAR			ECORO	PRECIPI		(Inches)	)		
DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Cent	Average †	Oate of Reading	Month's	Average †	This Year	Average +	Percent of Average
FREMONT RIVER	<del> </del>	<del> </del>					I	1			
Black's Flat-U.M. Creek Fish Lake Johnson Valley	5/26 5/26 5/26	0 0 0	0.0 0.0 0.0	8.4 0.0 0.0	0.3 <sup>b</sup> 0.0 <sup>b</sup> 0.0 <sup>b</sup>	5/26 5/26	1.95 1.28	1.81 1.39	24.66 24.64	16.28 12.39	151 199
SOUTHEASTERN UTAH DRAINAGES			<u> </u>  -								
Buckboard Flat Camp Jackson LaSal Mountain (lower) LaSal Mountain (upper) Monticello City Park	5/30 5/30 5/31 5/31 5/30	0 0 0 0	0.0 0.0 0.0 0.0	8.4 7.4 7.8 26.1 0.0	0.4b 0.0b 0.0b 2.7a 0.0b	5/30 5/30 5/31	1.30 0.45 0.65	1.94 1.56 2.21	23.77 18.83 29.66	22.83 20.76 19.38	104 90 153
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek Bryce Canyon Castle Valley Duck Creek R.S Harris Flat Kimberly Mine Midway Valley Panguitch Lake Squaw Springs	5/26 5/25 5/25 5/26 5/26 5/25 5/25 5/25	6 0 0 0 0 18 0	2.9 0.0 0.0 0.0 9.5 0.0 0.0	18.3 0.0 13.5 11.3 0.0 27.4 44.9 0.0 4.7	1.3b 0.0b 0.0b 0.5a 0.0b 3.2b 12.1b 0.0b 0.0b	5/26 5/25 5/26 5/26 5/25 5/25 5/25	1.31 .41 .19 .25 1.00a 2.37 .21	1.88 1.62 1.91  2.15  1.04	27.89 24.96 18.86 9.20 <sup>a</sup> 40.53 <sup>a</sup> 26.40 12.75	18.29 18.75 21.55  24.76  10.43	152 133 88  163  122
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams Farnsworth Lake G.B.R.C. Headquarters G.B.R.C. Majors G.B.R.C. Oaks Gooseberry R.S. Mammoth-Cottonwood Creek Mt. Baldy R.S. Oak Creek Pickle Keg Springs Pine Creek Ree's Flat Shingle Mill Gooseberry Reservoir	5/26 5/26 5/26 5/26 5/26 5/27 5/26 5/25 5/25 5/25 5/25	0 54 24 56 0 20 55 0 23 32 0	0.0 26.3 13.0 30.5 0.0 11.2 29.8 0.0 13.2 16.3 0.0	9.2 33.8 27.1 47.5 10.8 37.1 45.0 16.1 25.1 33.9 3.6 0.0	0.0b 14.0a 3.1b  14.4b  0.8b 4.8b 14.5b 0.0a 1.6a 1.6a 1.9a 0.0b	5/26 5/26 5/26 5/26 5/26 5/27 5/26 5/25 5/25 5/25 5/25	2.11 3.42 2.44 3.63 1.90 3.37 1.79 1.40 3.37 .89 2.86	2.10 <sup>b</sup> 2.38 1.51 <sup>b</sup> 2.60 1.78 1.83 <sup>b</sup> 2.67 <sup>b</sup> 1.83 <sup>b</sup> 3.00 2.14 <sup>b</sup> 2.33	33.17 41.34a 37.82 44.15 30.68 35.47a 34.33 29.90 44.43 53.93a 29.34 30.68	24.93 12.17 29.80 16.66 17.95 <sup>b</sup>  23.51 <sup>b</sup> 21.62	180 152 148 171 146 138 176 
BEAVER RIVER  Beaver Canyon Power House Beaver Race Track Big Flat Merchant's Valley (upper) Otter Lake	5/25 5/25 5/25 5/25 5/25	0 40 0	0.0 19.5 0.0 6.2	0.0 35.7 17.5 24.8	0.0b 14.1b 0.5a 6.4a	5/25 5/25	1.72	2.71 1.88	31.74 27.50	21.71	146 144
PAROWAN CREEK											
Birch Crossing Brian Head Tall Poles Yankee Reservoir	5/31 5/25 5/31 5/25	0 6 0	0.0 2.4 0.0 0.0	0.0 32.3 16.3 7.1	0.0 <sup>b</sup> 10.6 <sup>b</sup> 1.5 <sup>b</sup> 0.0 <sup>b</sup>	5/31 5/25	0.60 0.57	1.42 <sup>b</sup>	24.23 16.42	19.79 <sup>b</sup> 16.57	122 99
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek Long Flat COAL CREEK	5/25 5/25	0	0.0	0.0	0.0b 0.0b	5/25 5/25	0.06	0.88 <sup>b</sup> 1.23 <sup>b</sup>	14.03	15.61 <sup>b</sup> 14.24 <sup>b</sup>	90 80
Cedar City Golf Course SUSC Ranch	5/31 5/31	0	0.0	0.0	0.0b 0.0b						

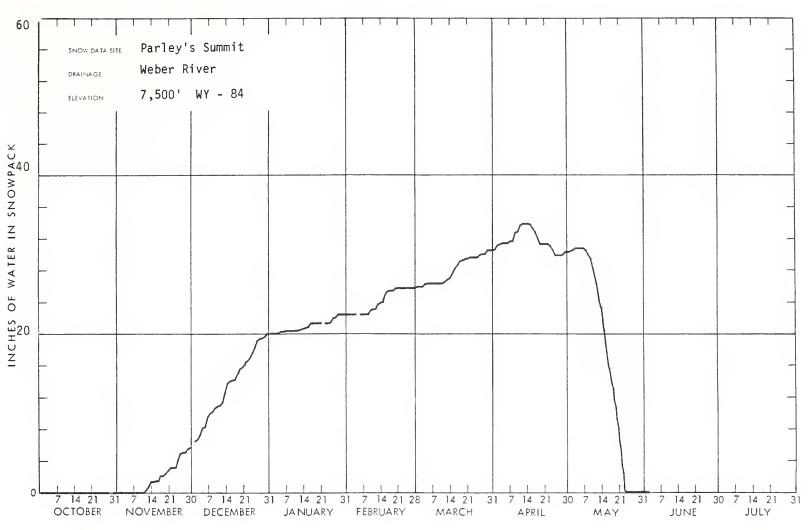
SNOW		THIS YEAR		PAST	ECORO	PRECIPI		(Inches)			
DRAINAGE BASIN and/or SNOW COURSE	Data of Survey	Snew Depth (Inches)	Water Centent (Inches)		ent (inches)	Oate of	Menth's	ATION +		Average +	Percent of
ESCALANTE RIVER		1	1	Last Yeer	Average †	Reading	Precipitation	Average	I AIS TOO	7.4.014	Average
				ł							
Widtsoe-Escalante #3	5/26	0	0.0	11.5	0.9a	5/26	0.22	1.81	17.87	17.02	104
VIRGIN RIVER											
Kolob-Crystal	5/25	0	0.0	34.5	9.0a	5/25	1.25		27.20a		
Long Valley Junction	5/26	0	0.0	0.0	0.0b	li .	1	1			
webster Flat	5/25	0	0.0	32.1	2.9b	5/25	1.63ª	1.90 <sup>b</sup>	26.54a	24.98 <sup>b</sup>	106
a - Partly Estimated b - Average of past record in + - 1961-80 20 year average pe (A) - Aerial Marker Reading	average	period -	less th	an 20 ye	ars						

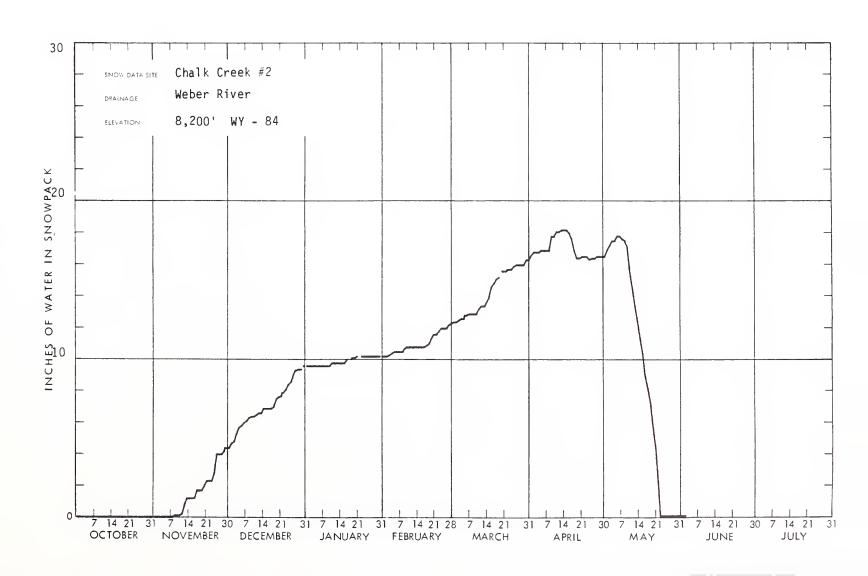


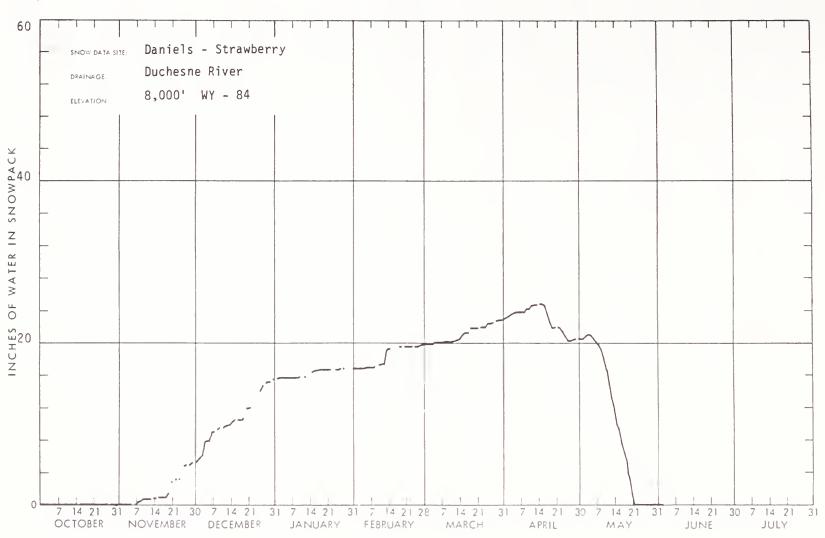


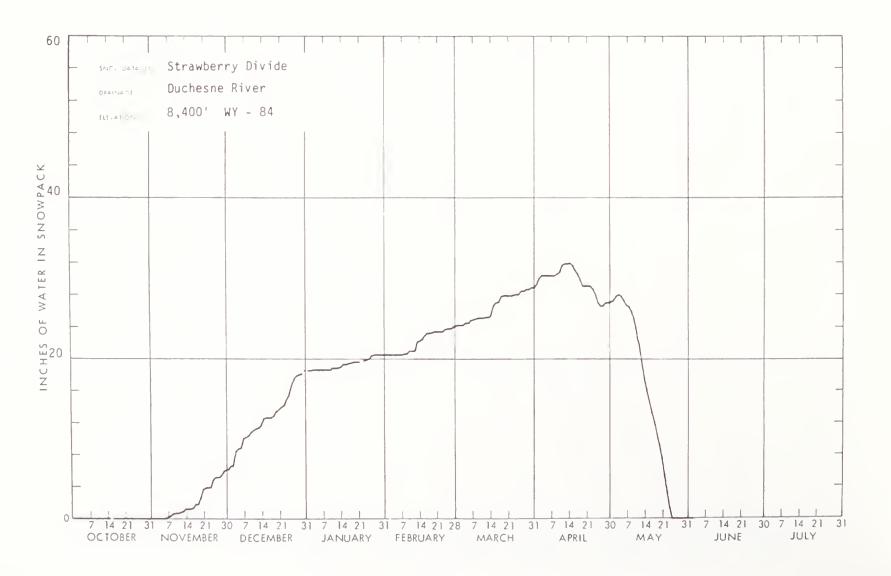


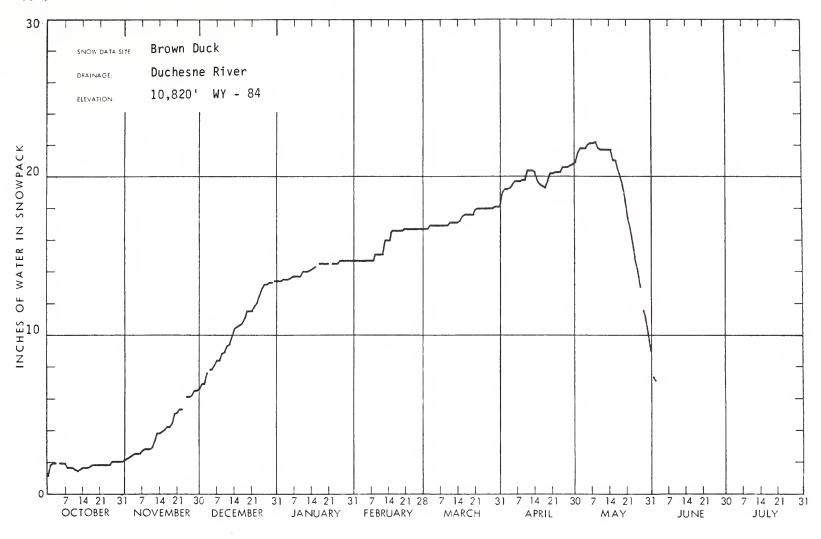


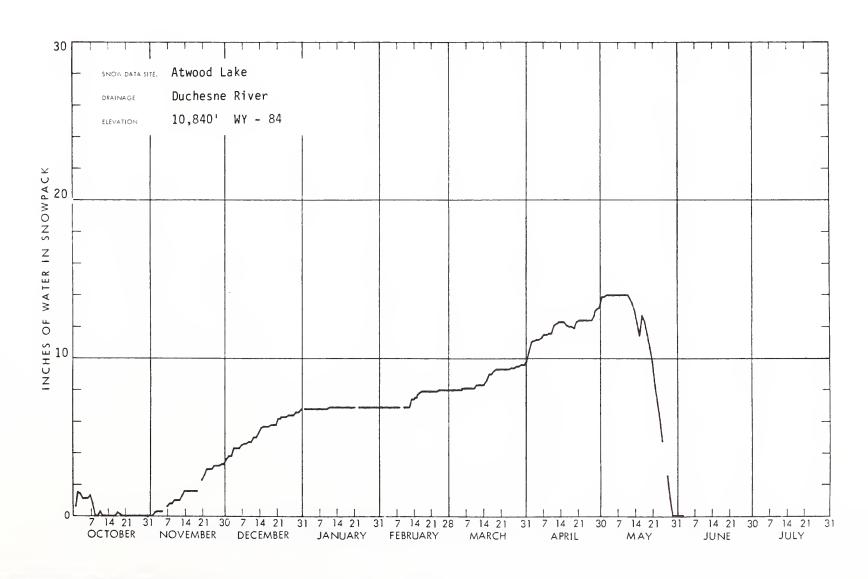


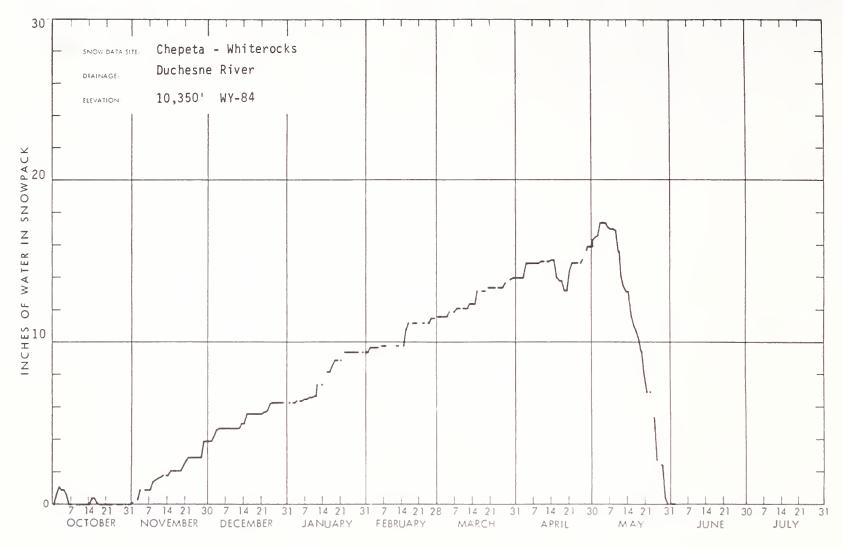


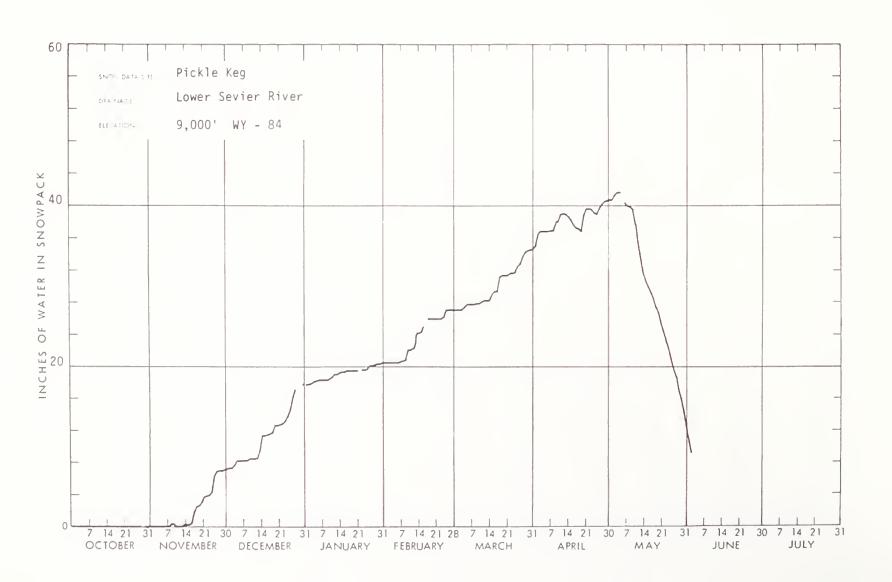


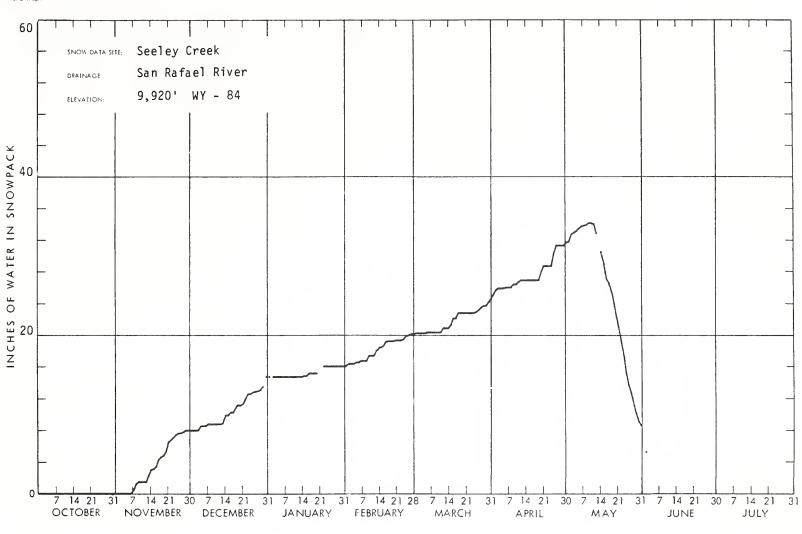


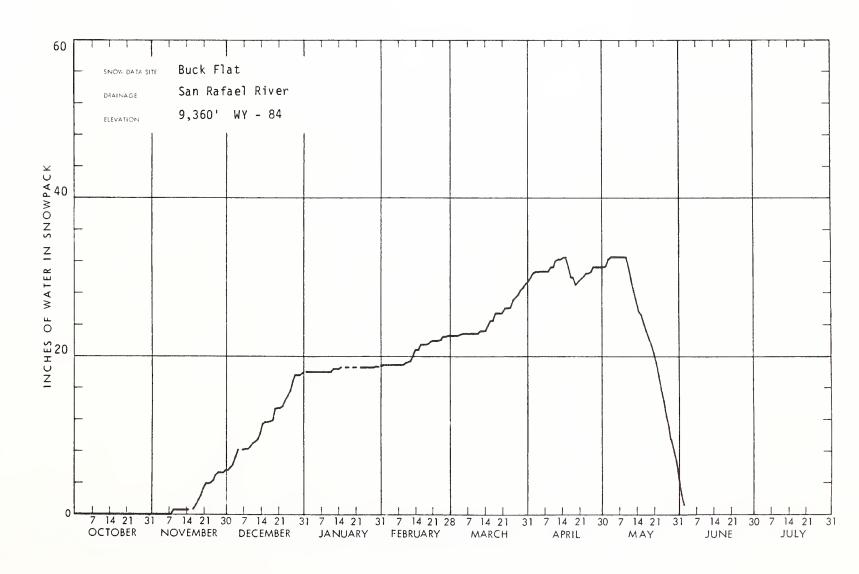


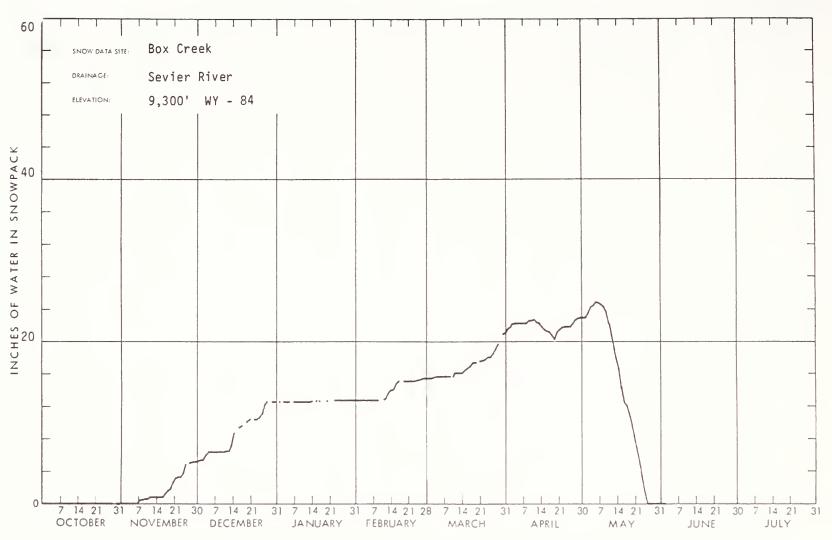


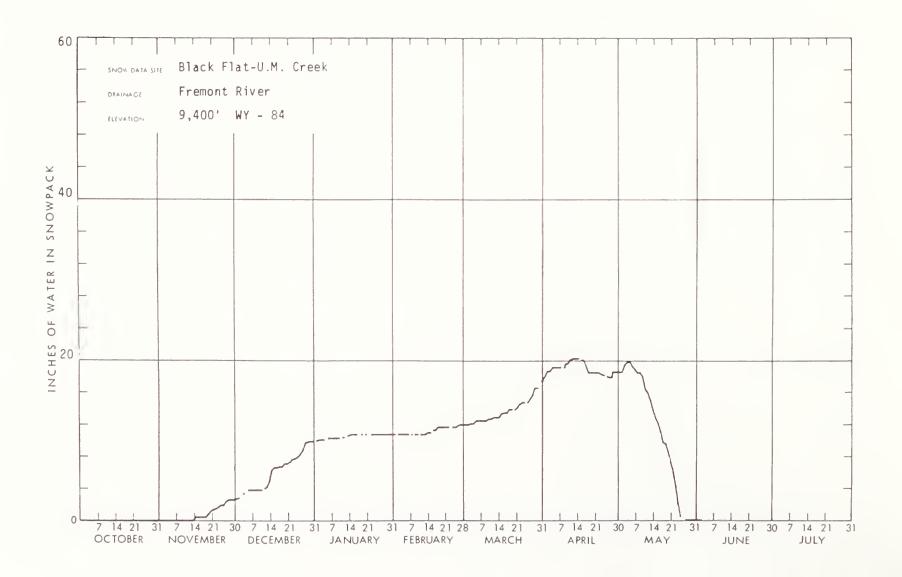


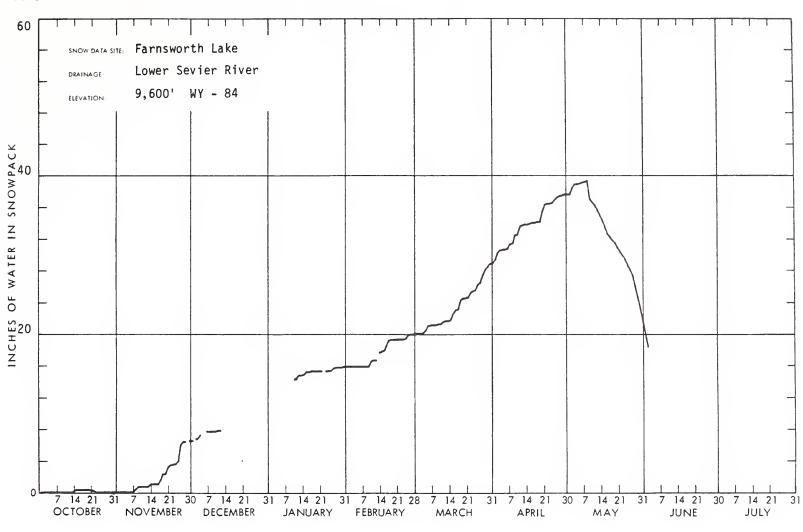


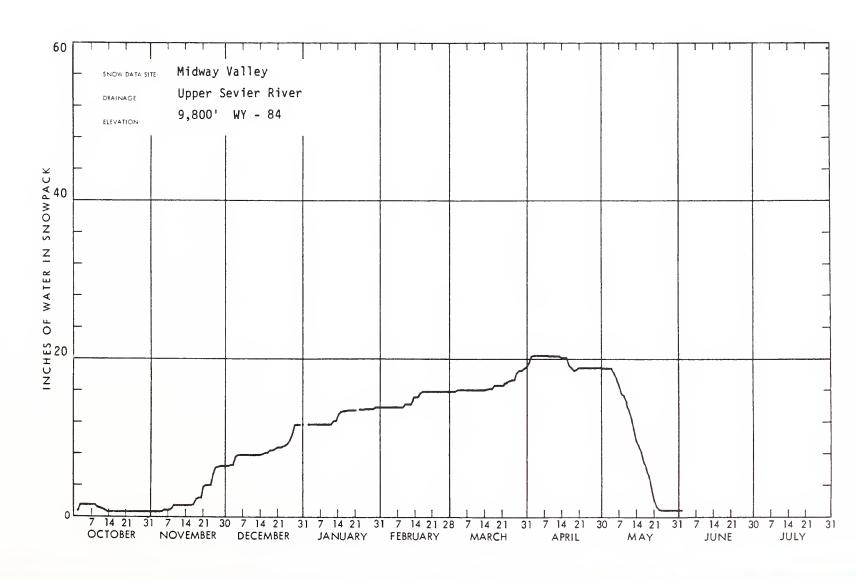




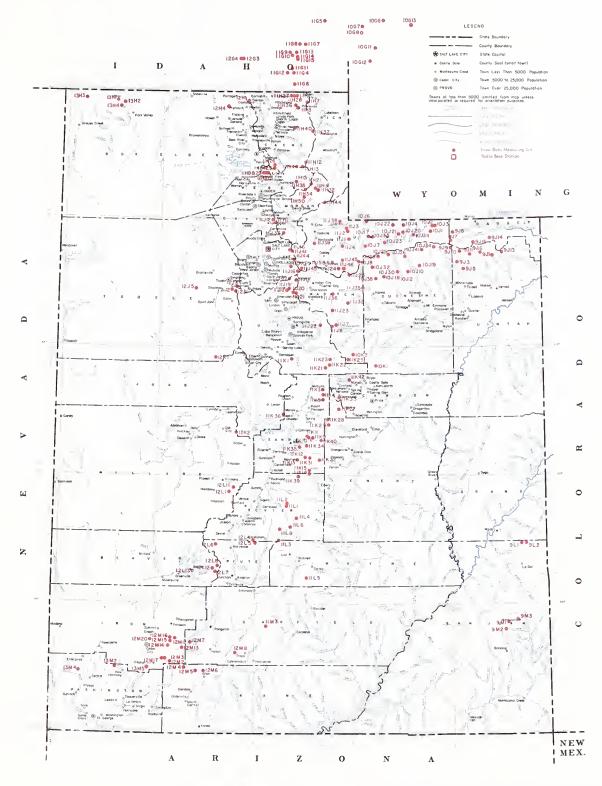














SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1983
0 20

ALRENS EQUAL AREA PROJECTION

USCS Notional Atlan (H,000,000 Albert Equil-Area projection (1967) used on Javice for base map and adopted for SCS use

# INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

# GREAT BASIN DRAINAGE

Elevation	10.040 10.050 10.050 10.050 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.00000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.00000 10.00000 10.000000 10.000000 10.000000 10.000000 10.00000000	8,100 8,600 8,550 7,400	9,400 8,700 9,800 7,200 10,000 7,950 8,900 9,000	9,200	9,400 9,800 8,700 8,850	9,000 8,600 8,800 9,850 7,050	005'6	9,250 7,500 9,200	
Range	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	7E 7E 8E	4 2 2 2 3 3 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	4E 4E	36 11 26 26	226 226 246 246 236	1W	11W 6W 9W	
Township	4 2 2 4 2 1 1 1 2 2 2 2 4 2 1 1 1 2 2 2 2	115 145 105 105	195 135 145 175 165 165 165	205	245 305 265 255	335 345 275 275 335	345	385 385 375	é
Section	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	14 11 30	23 25 12 31 31 25 25 27	24	8 8 8 8 4 8 4 8 8 8 8 8 8 8 8 8 8 8 8 8	36 22 5 3 25 25	22	22 20	arker. ilon Gage. nd Tamperatur
		0			DRAINAGE5				LEGEND  Numbering System (example)  Snow Course Only.  Snow Course and Precipitation Gage.  Snow Course and Soll Monther Station.  Snow Course Soil Montiure Station and Recipitation Gage.  Snow Soll Montiure Station and Recipitation Gage.  Acres Soil Montiure Station and Recipitation Gage.  Snow Soll Montiure Station and Precipitation Gage.  Snow Course Precipitation Gage Only.  Snow Course Precipitation Gage Solly.
Name Original Francisco	DUCKIPSER HVER A AWOOD LAKE BYOND DIAKE RIGHT OF CONTROL OF CHARLES CH	Dry Valley Divide Alternate Mud Creek White River No. 1 White River No. 3	SAN RAFAEL RIVER Buck Flat Goossberry Reservoir Huntingother Arschoo Drange Olson Rod Fine Ridge Seiloy Creek Stuart R. S. Uppe Jon's Valley Wrigley Creek	MUDDY RIVER Black's Fork Dill's Camp	FREMINIT HIVER DONKY RESERVOIR FISH Lake Johnson Valley SOUTHEASTERN UTAH DRAINAGES	Buckboard Flat Camp Jackson LaSal Mountain LaSal Mountain (Upper) Monticello Park	ESCALANTE RIVER Widisoo-Escalanto No. 3	VIRGIN RIVER Koleb-Crystal Long Valley Junction Webster Flat	Numbering
State	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2222	2222222	25	2222	2222	ο	222	
Number	10.41.p 0.13.05.T 0.13.05.T 11.12.2MPST 11.12.2MPST 10.12.65.T 10.13.65.T 10.13.65.T 10.13.65.T 10.13.65.T 11.16.PST 11.16.PST 11.16.PST 11.16.PST	11K42P 11K33MP 10K2MPST 11K25	11K31P5T 11K4 11K5P 11K60P 11K2BFST 11K2PF 11K2P 11K22P 11K22P	11K14 11K15PST	1114PST 1115 1113P 1116	9M1P 9M2P 9L1 9L1 9M3	11M3PST	13M5PST 12M6 12M3MPST	
Elevation	6,450 7,500 6,950 6,950 8,900 8,900 7,500 7,500 1,100 9,100 9,500 1,100 9,100 9,500	9,300	8,000 8,000 8,000 8,000 9,600 9,500 9,700 8,700 8,700 8,700 8,700	6.020 10.290 8.750 9.600	8.100 10,000 8.800 8.700	6.100 8,000	5,800		10,500 9,300 9,300 9,700 8,500 9,500 9,500 9,500 10,300 10,300 10,300 10,300 10,300 10,300
Range	59.8 59.8 59.8 59.8 59.8 59.8 59.8 59.8	5W	######################################	7W 9W 8W 8W	W6 W	18W 14W	W11W 9W		1976 1976 1976 1976 1976 1976 1976 1976
Township	15 25 25 25 25 25 25 25 25 25 25 25 25 25	275	195 175 175 135 135 185 175 175 175 175 175 175 175 175 175 17	235 295 295 295	355 355 355 355	385	365		52 K K K K K K K K K K K K K K K K K K K
Section	1.54 (	R ver)	10 2 3 5 7 7 0 10 11 11 15 15 15 15 15 15 15 15 15 15 15	23 7 7 12	23 10 26 & 35 20		- 20		20 25 25 25 25 25 25 25 25 25 25 25 25 25
Name Name ODDAN DIVIDOR CORAT CALT 1		ER (n. uding San Pitch	Favorer in Lune  G R C Meadquate i  G R C Mead  Man in R S I in a od Creek  VI Rady R  Favorer i R S  When i R  Favorer i	BEAVER VLR Base Rase Tare By full Men halt vising (upper) Offer man	PAR NAN, REEP B. A. to B. A. Man Te Power Yannes Sean	E'ST RPRIS TO SEW HARM BY DRAMAGE L III = 313 (1800 og F 81	A EEr Codds 13 to 1 to 1	DRAINAGE	AMP TO THE READ OF THE PER THE DIAM (AS NO DOLE NOTE). The second of the period of the
51216	000000000000000000000000000000000000000			1,600	1000		22	RIVER	30333333777333333
Page 1	12.12 11.14 11.14 11.14 11.14 11.16 11.16 11.16 11.16 12.495 12.4	121-5		8	2001 2011 2011 2011 2011	I WAWP M. WPS	1000	COLORADO RIVER DRAINAGE	9111-6 10,727-6 10,727-6 10,727-6 10,125-6 10,115-6 10,115-6 10,115-6 10,000-6 10,00
E evation	8 700 7 7900 7 7900 7 7900 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	7 8 7 8 7 8 7 8 9 9 9 9 9 9 9 9 9 9 9 9	22.65. 22.65. 6.65	- W		9.10	2000.0	001	8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
Range	1178 1188 1188 1188 1188 1188 1188 1188			4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	M 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 40 40 4	E E E E E E	4 2 2 4 M 4 F	
Toenth	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	135 135 135 135	X	4744	2277357	x £ 7,	RMAARR	1332251	XE
Section	2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	33 31 10	0000	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	22 44 2 42	19 + P.	23332	26.582.83	25.7.7.7.2.9.8.8.2.2.2.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3
Name	Opper BEAN HIVER (above raise, idand)  By Park Burt Miller Raich CCCCCMP CCCCCCMP CCCCCCMP CCCCCCMP CCCCCCMP CCCCCCCMP CCCCCCCC	Gardan City Summil Perd Hollow Horsehoe Basin Klondine Nitrows Liberty Springs	Little Beart (lower) Little Beart (lower) Oxford Mountain Oxfores Down'd Steep Hollow No 1 Steep Hollow No 2 Stewberry Creek Strawberry Mink D Tony Grove Lake Tony Grove Ranger State W low Flet	George Paak Goorge Paak One Mile Summit V Pool	BRZAFF Creek-Skunk Creek Ben Lomond Peak Ben Lomond Teal Causay Dam Ory Stead Pend Guilder's Peak Supplier's Feak	WEBER RIVER Beaver Creek R. S Chair Creek N II Chair Creek N II	Chair-Cores rio 3 East Sh right Lake Farmington Canyon (tower) Francis Canyon Hardserable	Horee Ridge Killoi Creek Lost Creek Lost Creek Park City Sammt	Redden Mine (lower) Redden Mine (lower) Smith & Norenouse PROVO RIVER & UTAH LAKE BRAYE Creak Dovids Camp Altamont Clast Creak Region No 2 Clast Creak Region No 2 Distrimant R Gost No 1 Clast Creak Region No 2 Distrimant R Gost No 1 Clast Creak Region No 2 Distrimant R Gost No 1 Pubblis Creak Summit Payon R. S South For R S South For R S Timbanogos Care Cemp Timbanogos Care Cemp
State	<pre>%3%3%33%3%3</pre>	00-0-	DDDDDD-	2222	222222	222	00000	222222	
Number	100.11 100.57 100.757 100.128-7 100.128-7 100.128-7 100.138-7 100.138-7 100.138-7 100.138-7 100.138-7 100.138-7 100.138-7 100.138-7 100.138-7 100.138-7 100.138-7 100.138-7 100.138-7 100.138-7 100.88-7 100.88-7 100.88-7 100.88-7 100.88-7 100.88-7 100.88-7 100.88-8-8-8 100.88-8-8 100.88-8-8 100.8	1114.05 11615. 11613.	11126 11125 1103 1103 1103 1103 1103 1103 1103 110	13H2 <sub>3</sub> 13H4PS 13H1 13H3 <sub>3</sub>	11H14M 11H8PST 11H30PST 11H35M 11H13MPST 11H13P	11,124 11,11PST 11,12,MPST	11,1387 11,1125 11,111,111,111,111,111,111,111,111,111	11H21PST 11H32P 11H32P 11J43P 11J15PST 11H50P	11,465T 11,465T 11,465T 11,20 11,120 11,117 11,117 11,118 11,118 11,118 11,118 11,118

# Agencies Cooperating in Utah Snow Surveys

# U. S. GOVERNMENT AGENCIES

- U. S. Department of Agriculture Soil Conservation Service Forest Service
- U. S. Department of Commerce NOAA, National Weather Service
- U. S. Department of Interior
  Bureau of Reclamation
  Geological Survey
  National Park Service

# STATE AGENCIES

Utah State University
Utah State Department of Natural Resources
Division of Wildlife Resources
Division of Water Resources
Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

## MUNICIPALITIES

Manti Salt Lake City

# ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Central Utah Conservancy District
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association
Weber River Water Users Association
Weber Basin Conservancy District

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

OFFICIAL BUSINES PENALTY F P PRI ATE I E 5300

POSTAGE AND FEES PAID

FIRST - CLASS MAIL

SALT LAKE CITY, UTAH

USDA - SCS

PERMIT NO. G -267

FEDERAL - STATE - PRIVATE

COOPERATIVE SNOW SURVEYS

domestic and municipal water supply, hydro-electric power water supply for irrigation, necessary for forecasting generation, navigation, Furnishes the basic data mining and industry "The Conservation of Water begins with the Snow Surrey"

"alional Americantural Library 20705 ND 20705